

Storm Data and Unusual Weather Phenomena - January 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	01/12/07 11:00 CST		0	Winter Weather
	01/12/07 16:00 CST		0	

Light freezing drizzle affected all of south-central and southeast Wisconsin during the daytime hours of January 12th. Ice accumulations ranged from 1/10 to 1/8 of an inch. Numerous vehicle accidents occurred based on newspaper accounts. Synoptically, shallow cold air moved southeast across southern Wisconsin behind a cold front. The low-level cooling allowed for the generation of drizzle which froze on cold surfaces.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	01/14/07 19:00 CST		0	Winter Weather
	01/15/07 18:00 CST		0	

Snow spread across south-central and southeast Wisconsin leaving behind general accumulations of 3-5 inches with a couple isolated higher amounts. Numerous vehicle accidents were reported. Some specific snow reports include 5.7 inches at Franksville (Racine Co.) and 5.2 inches two miles north of Glendale (Milwaukee Co.). Some freezing rain mixed in with the snow generally south of a line from Madison (Dane Co.) to Milwaukee (Milwaukee Co.). However, along and southeast of Interstate 43 between Beloit (Rock Co.) and Milwaukee, the precipitation started off as light freezing rain and switched to snow by 2200CST on the 14th. Synoptically, a surface low pressure moved through central Illinois into central Indiana. The associated warm air advection ahead of the low along with a short wave trough in the upper levels of the atmosphere were the reasons for snow development.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	01/21/07 04:00 CST		0	Winter Weather
	01/21/07 17:00 CST		0	

A new blanket of snow (3 to 6 inches) was deposited across south-central and southeast Wisconsin on January 21st. Specific snow accumulations include 6 inches near Beaver Dam (Dodge Co.), 5.8 inches in Germantown (Washington Co.), 5.2 inches just west of Lake Mills (Jefferson Co.), 5.9 inches at Madison's Truax Field (Dane Co.), and 3.3 inches at Milwaukee's Mitchell Field (Milwaukee Co.). The axis of the greatest amount of snow accumulations (5 to 6 inches) stretched from (southern Sauk County to central Dodge County to southern Ozaukee County. Near the Illinois border accumulations were around 3 inches. Numerous vehicle accidents were reported by the media. Several of the accidents in Dane County became multiple-vehicle. Synoptically, a surface low pressure moved through northern Illinois into southern Lower Michigan, which allowed for warm air advection on the front side of the system to generate snow.

Storm Data and Unusual Weather Phenomena - February 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH

02/03/07 09:00 CST	0.14M	Cold/Wind Chill
02/06/07 10:00 CST	0	

The coldest air and lowest wind chills of the 2006-07 winter season affected south-central and southeast Wisconsin as a massive arctic high pressure pushed southeast through the Western Great Lakes Region over the 4-day period of February 3-6, 2007. Minimum air temperatures tumbled to -5F to -14F on February 3rd with the Lone Rock Airport (Sauk Co.) registering the -14F. Milwaukee Mithcell Field (Milwaukee Co.) had -9F and Madison's Truax Field fell to -11F on the 3rd. Daytime maximum air temperatures on the 3rd ranged from 3F to 10F above zero. Early morning low temperatures on the 4th ranged from -10F to -15F. Afternoon maximum temperatures on the 4th never reached the zero mark, ranging from -1F at Milwaukee to -3F at Madison. The lowest minimum temperatures of the 4-day period occurred on February 5th, ranging from -11F in Milwaukee to -26F at the Lone Rock Airport which sits in the flat Wisconsin River Valley where cold air drains into and collects. Maximum afternoon temperatures on the 5th ranged from -4F at Port Washington (Ozaukee Co.) to +6F at Richfield (Washington Co.). Early morning minimum temperatures on the 6th ranged from -7F in Milwaukee to -17F in Arygle (Lafayette Co.). Readings from the Lone Rock Airport were missing on February 6th. Afternoon maximum temperatures on the 6th were in the single digits. On February 3rd and 4th, west to northwest winds were generally 15 to 30 mph, which generated wind chill values of -20F to -30F. Lower wind speeds of 5 to 20 mph were noted on February 5th and 6th.

In general, the lowest wind chill values were observed during the early morning hours on February 5th, in the -30F to -34F range, corresponding to the lowest air temperatures of the winter season. However, Extreme Cold/Wind Chill conditions were experienced in six counties during the early morning hours of February 5th (Sheboygan, Sauk, Iowa, Waukesha, Racine, and Kenosha). In these counties the lowest wind chill temperatures were in the -35F to -38F range. Refer to the other Cold/Wind Chill and Extreme Cold/Wind Chill events for south-central and southeast Wisconsin during the period of February 1-6, 2007, for related stories.

The cold temperatures resulted in a broken water main and electrical outage in the 100 block of West Main St. near the Madison Capitol Square (Dane Co.) early Saturday morning, February 3rd. Many public and private schools were closed on Monday and Tuesday, February 5th and 6th. It was the first time in 13 years that the Madison schools close due to cold temperatures. Additionally, newspaper reports indicated that plumbers answered numerous frozen-pipe calls.

(WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z065) WAUKESHA, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/03/07 09:00 CST	0	Cold/Wind Chill
02/05/07 03:00 CST	0	

The coldest air and lowest wind chills of the 2006-07 winter season affected these 6 counties in south-central and southeast Wisconsin as a massive arctic high pressure pushed southeast through the Western Great Lakes Region over the 4-day period of February 3-6, 2007. Minimum air temperatures tumbled to -5F to -14F on February 3rd with the Lone Rock Airport (Sauk Co.) registering the -14F. Milwaukee Mithcell Field (Milwaukee Co.) had -9F and Madison's Truax Field fell to -11F on the 3rd. Daytime maximum air temperatures on the 3rd ranged from 3F to 10F above zero. Early morning low temperatures on the 4th ranged from -10F to -15F. Afternoon maximum temperatures on the 4th never reached the zero mark, ranging from -1F at Milwaukee to -3F at Madison. The lowest minimum temperatures of the 4-day period occurred on February 5th, ranging from -11F in Milwaukee to -26F at the Lone Rock Airport which sits in the flat Wisconsin River Valley where cold air drains into and collects. Maximum afternoon temperatures on the 5th ranged from -4F at Port Washington (Ozaukee Co.) to +6F at Richfield (Washington Co.). Early morning minimum temperatures on the 6th ranged from -7F in Milwaukee to -17F in Arygle (Lafayette Co.). Readings from the Lone Rock Airport were missing on February 6th. Afternoon maximum temperatures on the 6th were in the single digits. On February 3rd and 4th, west to northwest winds were generally 15 to 30 mph, which generated wind chill values of -20F to -30F. Lower wind speeds of 5 to 20 mph were noted on February 5th.

The counties of Sheboygan, Sauk, Iowa, Waukesha, Racine, and Kenosha experienced Extreme Cold/Wind Chill event conditions (wind chills of -35F to -38F) for several hours during the early morning hours of February 5th. Please refer to that event for additional details.

Newspaper accounts indicated that plumbers answered numerous frozen-pipe calls. Estimated damage amounts are included in the Extreme Cold/Wind Chill event on February 5th for counties listed in the paragraph above.

(WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z065) WAUKESHA, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/05/07 03:00 CST	22K	Extreme Cold/Wind Chill
02/05/07 10:00 CST	0	

For several hours during the morning hours of February 5th, wind chill readings dropped into to -35F to -38F range at the Lone Rock Airport (Sauk Co.), into the -35F to -37F range at the airport northwest of the city of Sheboygan (Sheboygan Co.), into the -35F to -36F range at the Racine Airport (Racine Co.), into the -35F to -37F range at the Kenosha Airport (Kenosha Co.), and to -35F at the Waukesha Airport (Waukesha Co.). West to northwest winds were on the order of 5 to 15 mph at this time thanks to a massive arctic high pressure system moving east through the area. Minimum air temperatures at this time were in the -14F to -15F range at the Sheboygan, Racine, and Kenosha airports, while it bottomed out at -26F at the Lone Rock Airport. Conditions observed at the Lone Rock Airport

Storm Data and Unusual Weather Phenomena - February 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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were probably experienced across extreme north-central Iowa County on the other side of the Wisconsin River. Minimum temperatures on February 5th were the coldest of the 2006-07 winter season in south-central and southeast Wisconsin. Refer to the other Cold/Wind Chill events across south-central and southeast Wisconsin during the period of February 1st through the 6th for detailed and related information.

(WI-Z056) SAUK

02/01/07 03:00 CST	1	0	Cold/Wind Chill
02/01/07 06:00 CST		0	

During the pre-dawn hours of February 1, 2007, cold air started to pour into south-central and southeast Wisconsin on southwest to west winds of 8 to 13 knots (9 to 15 mph). Air temperatures were in the 18-19F range along with snow flurries. During this time period, a 37-year-old man in light clothing, died outdoors due to exposure as he tried to return to his motel room in Sauk City.

Direct Fatalities: M370U

(WI-Z063) DANE

02/06/07 05:00 CST		0	Winter Weather
02/06/07 18:00 CST		0	

A light snowfall of just 1 to 2 inches combined with frigid temperatures to create slippery and icy conditions on many roads across Dane County during the morning hours of February 6th. Numerous vehicle accidents were reported, including several multiple-vehicle accidents. At least 30 vehicles were involved in an accident on Interstate 39-90 east of Madison (Dane Co.) that closed traffic for 3 hours and backed up traffic for two miles. The Madison police department responded to about 50 crashes, and the State Patrol handled about 94 accidents. Interstate 39-90-94 in the Madison area was described as "just a parking lot of cars."

(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/13/07 06:00 CST		0	Winter Weather
02/14/07 06:00 CST		0	

Lake-effect snow showers moved inland during the daylight hours on February 13th into the pre-dawn hours of February 14th, depositing generally 2 to 4 inches. However, east of Interstate-94, accumulations were 4 to 6 inches, with an isolated maximum of 7.8 inches at Milwaukee's Mitchell Field (Milwaukee Co.). The city of Racine (Racine Co.) registered 6 inches, and the city of Kenosha (Kenosha Co.) picked up 5 inches. Additionally, northeast winds gusting to 26 knots (30 mph) resulted in considerable blowing and drifting of the snow which led to numerous vehicle accidents. Driving conditions near Lake Michigan were reported as treacherous.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/22/07 02:00 CST		34K	Strong Wind (MAX 45 kt)
02/22/07 07:00 CST		0	

Strong northwest winds gusting to 39 to 45 knots (45 to 52 mph) affected much of south-central and southeast Wisconsin during the pre-dawn hours of February 22nd. Many, small tree limbs were knocked down, with some of them hitting power lines. This resulted in scattered power outages. The highest two wind gusts were 45 knots (52 mph) at both Milwaukee Mitchell Field (Milwaukee Co.) and at a Milwaukee TV-6 school network site in Grafton (Ozaukee Co.). Otherwise all other maximum wind gusts were in the 39 to 42 knot range (45 to 48 mph).

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE

02/23/07 18:00 CST		20K	Winter Storm
02/24/07 06:00 CST		0	

A winter storm (first of two rounds) consisting of heavy snow with some sleet and freezing rain mixed in, left behind 6 to 8.5 inches of accumulations over several south-central and southeast Wisconsin counties. Additionally, there were frequent wind gusts to around 25 mph which resulted in a fair amount of blowing and drifting of the new snow. The greatest snow accumulations occurred north of a line from Madison (Dane Co.) to Brown Deer (Milwaukee Co.). Maximum amounts in each affected county include 8 inches in Brown Deer, just over 6 inches in extreme northwest Waukesha County, 7.5 inches near Lake Mills (Jefferson Co.), 8.3 inches south of Middleton (Dane Co.), 8.5 inches in Saukville (Ozaukee Co.), 7.7 inches northwest of Beaver Dam (Dodge Co.), 8 inches in the Wisconsin Dells area (Columbia Co.), 8 inches in the Lake Delton area (Sauk Co.), 7.4 inches near Oxford (Marquette Co.), 8.5 inches between Berlin and Green Lake (Green Lake Co.), 8 inches just west of Ripon (Fond du Lac Co.), and about 6.5 inches in extreme southwest Sheboygan County. A 34-year-old man died (indirectly-related) in a vehicle accident on a slippery road in the Town of Springfield (Dane Co.) Friday night. The roof of an abandoned building in McFarland (Dane Co.) collapsed Friday night due to the weight of the heavy, wet snow. Synoptically, this winter storm was the result of a strong upper-level short wave trough moving northeast through Wisconsin with

Storm Data and Unusual Weather Phenomena - February 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
plenty of warm-air advection and moisture advection in the low to mid levels of the atmosphere. Some rumbles of thunder were reported as well. Lesser amounts of snow, in the 3 to less than 6 inch range, fell near the Illinois border. Further northwest in the La Crosse area, 12 to 14 inches of snow were measured.				

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN

02/24/07 18:00 CST	55K	Blizzard
02/25/07 03:51 CST	0	

This blizzard was round #2 of a 1-2 Winter Storm/Blizzard, with about a 12 hour separation between rounds. Heavy snows at the rate of 1 to 3 inches per hour occurred for several hours along with frequent east wind gusts of 30 to 33 knots (35 to 38 mph) reduced visibilities to 1/8 to 1/4 mile. Thunder and lightning were noted. The associated blowing snow generated snow drifts of 3 to 7 feet in height! Several roads in Jefferson and Waukesha counties were closed because snowplow crews were unable to keep up with the blowing and drifting snow. Numerous social activities were cancelled. Many airplane flights were cancelled or delayed at Madison's Truax Field (Dane Co.). There were numerous reports of vehicle accidents, and some of them ended up with injuries (indirectly-related). Even snowplow trucks got stuck in the snow drifts! Numerous social activities were cancelled. The weight of the heavy snow collapsed the roof a pole shed near Fox Lake (Dodge Co.), resulting the death of two cows. The weight of the snow and winds gusts led to scattered electrical outages in the counties of Sheboygan, Washington, Waukesha, Milwaukee, and Racine. New snow accumulations include: 10.5 inches in Westfield (Marquette Co.), 8 to 9 inches in Green Lake County, 8 inches in Fond du Lac (Fond du Lac Co.), 7 inches in Howards Grove (Sheboygan Co.), 11.5 inches in Spring Green (Sauk Co.), about 10 inches near Arlington (Columbia Co.), 9.5 inches in Watertown (Dodge Co.), 10 inches in Jackson (Washington Co.), 6 to 7 inches in western Ozaukee County, 10 to 11 inches in far north-central Iowa County, about 10 inches south of Marshall (Dane Co.), 12.5 inches at the NWS office about 3.8 miles southeast of Sullivan (Jefferson Co.), 10 to 11 inches from Merton to Dousman (Waukesha Co.), 6 to 7 inches across Lafayette County, and 6 to 7 inches across the western half of Green County. Within a mile or so of the Lake Michigan shoreline in Sheboygan and Ozaukee Counties the accumulations were only 1 to 3 inches due to the warming effects of Lake Michigan. Synoptically, a strong low pressure moved northeast through central Illinois into lower Michigan, resulting in the tightest surface pressure gradient and winds over southern Wisconsin. This blizzard event changed around 0351 CST on the 25th to a Winter Storm event that continued until the late morning hours of the 25th. Refer to related stories in the other Blizzard and Winter Storm events for February 24th and 25th for south-central and southeast Wisconsin.

Starting during the overnight hours of the 25th, periods of leftover, wrap-around snow affected southern Wisconsin until about 0600CST on February 26th. This leftover snow accumulated another 1 to 4 inches. Consequently, the total new snowfall for the period of February 23-26, 2007 ranged from 8 to 12 inches near the Illinois border to 19 to 21 inches from Wisconsin Dells (Columbia Co.) to the Fond du Lac area (Fond du Lac Co.), with lesser amounts near the Lake Michigan shoreline.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN

02/25/07 03:51 CST	0	Winter Storm
02/25/07 10:51 CST	0	

This winter storm event was a continuation of storm conditions that existed initially as a blizzard in these counties. During this winter storm, an additional 1 to 3 inches of snow fell, with some sleet, freezing rain, and rain mixed in. East winds gusted to 22 to 26 knots (25 to 30 mph). Even some thunder was heard! Refer to related stories in other blizzard or winter storm events across south-central and southeast Wisconsin during the period of February 23-25, 2007.

(WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z070) WALWORTH

02/24/07 18:00 CST	75K	Blizzard
02/25/07 01:39 CST	0	

A blizzard event affected the counties of Milwaukee, Rock, and Walworth overnight from the 24th into the 25th. Convective bands of heavy snow, with hourly snowfall rates of 1 to 2 inches moved through the area as east winds gusted to 30 to 38 knots (35 to 44 mph). Visibilities were reduced to 1/8 to 1/4 mile, and the blowing snow generated drifts of 1 to 4 feet in height. Thunder was heard. Snow accumulations include 9 to 10 inches in extreme northeast Rock County, 10 inches in Whitewater (Walworth Co.), 7 inches in Hales Corner (Milwaukee Co.), and 5.5 inches at Milwaukee Mitchell Field (Milwaukee Co.). Within a mile or so of the Lake Michigan shoreline in Milwaukee County the accumulations were only 1 to 3 inches due to the warming effects of Lake Michigan. Ultimately, about 11,000 customers lost electrical service due to the heavy wet snow accumulating on power-lines as the gusty winds pushed the lines around (mostly in the counties of Sheboygan, Washington, Waukesha, Milwaukee, and Racine). Many airplane flights were cancelled or delayed at Milwaukee Mitchell Field (Milwaukee Co.). Refer to related stories in the other blizzard and winter storm events in south-central and southeast Wisconsin during the period of February 23-25, 2007.

Starting during the overnight hours of the 25th, periods of leftover, wrap-around snow affected southern Wisconsin until about 0600CST on February 26th. This leftover snow accumulated another 1 to 4 inches. Consequently, the total new snowfall for the period of February 23-26, 2007 ranged from 8 to 12 inches near the Illinois border to 19 to 21 inches from Wisconsin Dells to the Fond du Lac area,

Storm Data and Unusual Weather Phenomena - February 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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with lesser amounts near the Lake Michigan shoreline.

(WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z070) WALWORTH

02/25/07 01:39 CST	0	Winter Storm
02/25/07 10:51 CST	0	

This winter storm event is a continuation of a storm system that initially started off as a blizzard event in these counties. Additional snowfalls of 1 to 2 inches occurred along with some sleet, freezing rain, rain, and thunder mixed in. The east winds weakened to gusts in the 22 to 29 knot range (25 to 33 mph). Travel conditions remained poor. Refer to related stories in other blizzard and winter storm events across south-central and southeast Wisconsin during the period of February 23-25, 2007.

(WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/23/07 18:00 CST	0	Winter Weather
02/24/07 06:00 CST	0	

Snowfalls of 3 to almost 6 inches fell overnight across Rock, Walworth, Racine, and Kenosha counties. The snow was heavy and wet, and visibilities were reduced to below 1 mile. Roads became very slippery. Some social activities were cancelled. A vehicle accident on the slippery roads in the Town of Bristol (Kenosha Co.) resulted in the death of three people (indirectly-related): a 36-year old woman, an 18-year-old woman, and an 8-year-old boy. Refer to the other Winter Storm and Blizzard events that occurred in south-central and southeast Wisconsin during the period of February 23-25, 2007, for related stories.

(WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z065) WAUKESHA, (WI-Z071) RACINE, (WI-Z072) KENOSHA

02/05/07 10:00 CST	0	Cold/Wind Chill
02/06/07 10:00 CST	0	

This Cold/Wind Chill event is the leftover event that followed on the heels of a February 5th Extreme Cold/Wind Chill event that occurred in the six counties listed in the header strip above. Daytime maximum temperatures on February 5th were only in the single digits above zero. Overnight minimum temperatures ending the morning of February 6th across south-central and southeast Wisconsin ranged from -7F at Milwaukee Mitchell Field to -17F at Arygle (Lafayette Co.). The minimum temperature on February 6th in Kenosha (Kenosha Co.) was -12F and in Racine (Racine Co.) it was -9F. West to northwest winds were on the order of 5 to 20 mph during this leftover event, resulting in wind chill values of -20F to -33F.

Refer to other Cold/Wind Chill and Extreme Cold/Wind Chill events that occurred in south-central and southeast Wisconsin during the period of February 1-6, 2007, for related stories.

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE				
	03/01/07 00:00 CST		0	Winter Weather
	03/01/07 12:00 CST		0	
A quick burst of 1 to 2 inches of snow, mixed with some freezing rain affected several counties north of the Madison to Milwaukee area. Numerous vehicle accidents were noted in newspapers.				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	03/02/07 09:00 CST		0	Winter Weather
	03/02/07 23:00 CST		0	
Low pressure moving northeast through central Wisconsin dumped another round of snow across south-central and southeast Wisconsin. Generally 1 to 2 inches fell south of a Madison to Milwaukee line, while 3 to 4 inches fell north of this line. Maximum amounts were 4.2 inches in the city of Fond du Lac (Fond du Lac Co.) and 4 inches in Reedsburg (Sauk Co.). Gusty southwest to west winds to 26 knots (30 mph) resulted in considerable blow and drifting of the snow. Snow drifts were reported to be 1 to 2 feet deep on some north-south roads, and some local near-whiteout conditions were also noted in open, exposed areas. Numerous vehicle accidents were reported in newspapers.				
(WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	03/09/07 17:00 CST		0	Dense Fog
	03/09/07 23:00 CST		0	
Rain falling on a snow cover undergoing melting resulted in dense fog over parts of south-central and southeast Wisconsin once the winds dropped off. Visibilities were reduced to 1/4 mile. Several vehicle accidents were noted in newspaper reports.				
KENOSHA COUNTY --- WHEATLAND [42.60, -88.20], WILMOT [42.52, -88.18]				
	03/12/07 01:00 CST		25K	Flood (due to Heavy Rain / Snow Melt)
	03/28/07 19:00 CST		0	Source: Official NWS Observations
The Fox River at New Munster (Kenosha Co.) went more than 2 feet above flood stage, and remained above flood stage for the longest period of time (compared to other rivers in south-central and southeast Wisconsin) - from March 12th through March 29th. Low-land river flooding along the Fox River in western Kenosha County resulted in some minor damage to contents in basements of homes and some soil erosion. At the New Munster gage site, the river crested at 12.34 feet at 0245CST on March 15th, 2.34 inches over flood stage.				
Rapid snowmelt of a deep and wet snowpack, along with some rain, resulted in rising water levels in many of the larger rivers in south-central and southeast Wisconsin during the period of March 11th through March 19th. Most of the rivers reached bank-full status or slightly exceeded flood stage by 3 to 8 inches, resulting in minor low-land flooding. One river, The Fox River in western Kenosha County, stayed above flood stage through March 29th.				
SAUK COUNTY --- 0.5 N SAUK CITY [43.28, -89.73], 2.0 NNE MERRIMAC [43.40, -89.60]				
	03/21/07 15:55 CST		0	Hail (0.88 in)
	03/21/07 16:06 CST		0	Source: Law Enforcement
COLUMBIA COUNTY --- OKEE [43.35, -89.58], 4.0 NE POYNETTE [43.44, -89.34]				
	03/21/07 16:03 CST		0	Hail (0.75 in)
	03/21/07 16:20 CST		0	Source: Law Enforcement
ROCK COUNTY --- 0.5 SW EDGERTON [42.82, -89.08], 4.0 N MILTON [42.83, -88.95]				
	03/21/07 16:11 CST		0	Hail (1.00 in)
	03/21/07 16:15 CST		0	Source: Trained Spotter
GREEN COUNTY --- 5.0 ENE ATTICA [42.80, -89.39]				
	03/21/07 16:40 CST		0	Hail (1.00 in)
	03/21/07 16:40 CST		0	Source: Amateur Radio

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ROCK COUNTY --- UNION [42.82, -89.30]				
	03/21/07 16:45 CST		0	Hail (1.00 in)
	03/21/07 16:45 CST		0	Source: Public
DANE COUNTY --- 4.0 SSE OREGON [42.88, -89.35], ROCKDALE [42.97, -89.03]				
	03/21/07 16:50 CST		0	Hail (0.75 in)
	03/21/07 17:10 CST		0	Source: Public
JEFFERSON COUNTY --- 1.0 S JEFFERSON [42.99, -88.80], 1.0 NE JEFFERSON [43.01, -88.79]				
	03/21/07 17:10 CST		0	Hail (0.75 in)
	03/21/07 17:12 CST		0	Source: NWS Employee
JEFFERSON COUNTY --- 5.0 W JEFFERSON [43.00, -88.90]				
	03/21/07 17:20 CST		0	Hail (0.75 in)
	03/21/07 17:20 CST		0	Source: Public
ROCK COUNTY --- 2.0 N EVANSVILLE [42.81, -89.30], 2.0 W EDGERTON [42.83, -89.11]				
	03/21/07 17:30 CST		0	Hail (0.88 in)
	03/21/07 17:45 CST		0	Source: Law Enforcement
DANE COUNTY --- 2.0 SE ALBION [42.86, -89.04]				
	03/21/07 17:50 CST		0	Hail (1.00 in)
	03/21/07 17:50 CST		0	Source: Trained Spotter
JEFFERSON COUNTY --- BUSSEYVILLE [42.90, -88.98]				
	03/21/07 17:58 CST		0	Hail (0.75 in)
	03/21/07 17:58 CST		0	Source: Public
DODGE COUNTY --- 4.0 S CLYMAN [43.26, -88.72]				
	03/21/07 18:06 CST		0	Hail (1.00 in)
	03/21/07 18:08 CST		0	Source: Trained Spotter
DODGE COUNTY --- 3.0 SE HUSTISFORD [43.32, -88.56]				
	03/21/07 18:22 CST		0	Hail (0.75 in)
	03/21/07 18:22 CST		0	Source: Trained Spotter
WAUKESHA COUNTY --- 1.0 W OCONOMOWOC [43.12, -88.50], 5.0 N OCONOMOWOC [43.19, -88.48]				
	03/21/07 18:28 CST		0	Hail (0.75 in)
	03/21/07 18:35 CST		0	Source: NWS Employee
WAUKESHA COUNTY --- 1.0 SW PEWAUKEE [43.07, -88.28]				
	03/21/07 18:49 CST		0	Hail (0.75 in)
	03/21/07 18:49 CST		0	Source: Trained Spotter
WAUKESHA COUNTY --- 4.0 SSE MENOMONEE FALLS [43.13, -88.07]				
	03/21/07 19:05 CST		0	Hail (0.75 in)
	03/21/07 19:05 CST		0	Source: Amateur Radio
MILWAUKEE COUNTY --- 1.0 NNW BROWN DEER [43.18, -87.98]				
	03/21/07 19:11 CST		0	Hail (0.75 in)
	03/21/07 19:11 CST		0	Source: Trained Spotter
MILWAUKEE COUNTY --- BROWN DEER [43.17, -87.97]				
	03/21/07 19:13 CST		0	Hail (0.88 in)
	03/21/07 19:13 CST		0	Source: Trained Spotter

The ground was covered white by the hail.

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OZAUKEE COUNTY --- 2.0 SSW PORT WASHINGTON [43.35, -87.89]				
	03/21/07 19:18 CST		0	Hail (0.75 in)
	03/21/07 19:18 CST		0	Source: Law Enforcement
OZAUKEE COUNTY --- 3.0 NW CEDARBURG [43.31, -88.02]				
	03/21/07 19:27 CST		0	Hail (0.75 in)
	03/21/07 19:27 CST		0	Source: Law Enforcement
RACINE COUNTY --- 2.0 WNW UNION GROVE [42.69, -88.09]				
	03/21/07 19:27 CST		0	Hail (0.88 in)
	03/21/07 19:27 CST		0	Source: Law Enforcement
RACINE COUNTY --- 3.0 NE UNION GROVE [42.71, -88.01]				
	03/21/07 19:31 CST		0	Hail (0.75 in)
	03/21/07 19:31 CST		0	Source: Law Enforcement
RACINE COUNTY --- 2.0 E UNION GROVE [42.68, -88.01]				
	03/21/07 19:35 CST		0	Hail (0.75 in)
	03/21/07 19:35 CST		0	Source: Law Enforcement
RACINE COUNTY --- 2.0 W STURTEVANT [42.70, -87.94]				
	03/21/07 19:39 CST		0	Hail (0.88 in)
	03/21/07 19:39 CST		0	Source: Law Enforcement
KENOSHA COUNTY --- 6.0 NNW DOWNTOWN KENOSHA [42.66, -87.88]				
	03/21/07 19:50 CST		0	Hail (0.75 in)
	03/21/07 19:50 CST		0	Source: Trained Spotter
MILWAUKEE COUNTY --- 3.7 NE TIMMERMAN ARPT [43.16, -87.98]				
	03/21/07 20:11 CST		0	Hail (0.75 in)
	03/21/07 20:11 CST		0	Source: Trained Spotter
KENOSHA COUNTY --- 3.6 NE SOMERS [42.69, -87.85]				
	03/21/07 20:50 CST		0	Hail (0.75 in)
	03/21/07 20:50 CST		0	Source: Trained Spotter
After a warm front moved north through south-central and southeast Wisconsin, an upper-level short-wave trough interacted with unstable air to produce scattered clusters of severe storms with large hail. This was round one of a two-part severe weather punch associated with the same large-scale synoptic weather system.				
DANE COUNTY --- 1.0 N SUN PRAIRIE [43.19, -89.20]				
	03/22/07 00:15 CST		0	Hail (0.75 in)
	03/22/07 00:15 CST		0	Source: Trained Spotter
DANE COUNTY --- 0.7 S MONONA [43.06, -89.32]				
	03/22/07 00:40 CST		0	Hail (0.88 in)
	03/22/07 00:40 CST		0	Source: Trained Spotter
DANE COUNTY --- VERONA [42.98, -89.53]				
	03/22/07 00:53 CST		0	Hail (0.75 in)
	03/22/07 00:53 CST		0	Source: Broadcast Media
WAUKESHA COUNTY --- HARTLAND [43.10, -88.35]				
	03/22/07 01:10 CST		0	Hail (1.75 in)
	03/22/07 01:15 CST		0	Source: Law Enforcement
WAUKESHA COUNTY --- MUKWONAGO [42.87, -88.33]				

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/22/07 01:49 CST		0	Hail (0.88 in)
	03/22/07 01:49 CST		0	Source: Public

A band of thunderstorms, with some of the storms dumping large hail, developed in a low-level convergence zone ahead of an approaching cold front. The storms were aided by a strengthening low-level jet. The band of storms weakened as it approached Lake Michigan. This was round number two when considering the large-scale synoptic weather system.

(WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

03/23/07 20:00 CST	0	Dense Fog
03/24/07 09:00 CST	0	

Dense fog developed overnight across most of south-central and southeast Wisconsin. Visibilities dropped to 1/8 to 1/4 mile, resulting in delayed or cancelled flights at Milwaukee Mitchell Field (Milwaukee Co.), at Madison Truax Field (Dane Co.), and other airports. Newspaper reports indicated that there were several vehicle accidents. Prior to the dense fog, scattered light rain fell during the afternoon and early evening hours. Weak low-level winds and a moist low-level atmosphere then set the stage for dense fog once the sky became mostly clear.

(WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z068) GREEN, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

03/25/07 01:00 CST	0	Dense Fog
03/25/07 11:00 CST	0	

Dense fog developed overnight over 3 areas of south-central and southeast Wisconsin - in the West Bend to Sheboygan/Port Washington area (0600-1100CST), in the Madison to Monroe area (0100-0700CST), and in the Elkhorn to Racine/Kenosha area (0400-0900CST). Visibilities were reduced to 1/8 to 1/4 mile, resulting in some airplane delays or cancellations. Just prior to the dense fog development, scattered showers and storms occurred with a warm front moving north through the region. A moist southeast low-level wind flow and clearing skies aided in the dense fog formation. Interestingly, after the warm front passage and subsequent dense fog, daily record maximum temperatures of 80 at Milwaukee Mitchell Field (Milwaukee Co.), and 79 at Madison Truax Field (Dane Co.) were set on March 26, 2007. The old records were 75 (in 1998), and 76 (in 1907), respectively. Additionally, new daily and all-time March record high minimum temperatures of 63 at Milwaukee Mitchell Field and 59 at Madison Truax Field were set on March 26, 2007. The old all-time March records were 60 (on March 24, 1910), and 55 (on March 14, 1990), respectively.

(WI-Z063) DANE

03/27/07 06:00 CST	0.30M	Winter Weather
03/27/07 18:00 CST	0	

On March 27th, a large sink hole developed on State Street in Madison (Dane County) due to a large water main break. This was the 117th water main break in the city of Madison for March, 2007. Usually there is only about 6 to 12 in some of the rougher winter months. Very cold temperatures and little snow cover in the first part of March, 2007, allowed the ground to freeze deeper. Subsequent freeze-thaw periods forced the ground under streets to shift/move, resulting in the numerous water main breaks. The \$300K damage amount is an estimate.

FOND DU LAC COUNTY --- FOND DU LAC [43.78, -88.45]

03/31/07 16:45 CST	10K	Lightning
03/31/07 16:45 CST	0	Source: Newspaper

Lightning struck a city of Fond du Lac home. There was no fire, but the home's electrical wiring was damaged, and a hole was punched in the roof of a porch.

LAFAYETTE COUNTY --- 4.0 W BELMONT [42.73, -90.41], BELMONT [42.73, -90.33]

03/31/07 18:15 CST	0	Funnel Cloud
03/31/07 18:20 CST	0	Source: Trained Spotter

IOWA COUNTY --- MINERAL PT [42.85, -90.18]

03/31/07 18:30 CST	0	Hail (0.75 in)
03/31/07 18:30 CST	0	Source: Trained Spotter

Scattered severe storms produced large hail, and one report of a funnel cloud. A rotating wall cloud was observed by a trained spotter about 6 miles west of the Madison State Capitol. Some of the storms that became supercellular displayed moderate mesocyclones in their updraft towers. Synoptically, a warm front stalled over northern Illinois, resulting in sufficient vertical wind shear that supported rotating updrafts. However, the depth of the cooler air below the elevated convection prevented actual tornado development.

Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
DANE COUNTY --- MIDDLETON [43.10, -89.50], DEERFIELD [43.05, -89.07]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
DODGE COUNTY --- WATERTOWN [43.20, -88.72], 3.0 E ASHIPPUN [43.22, -88.46]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
JEFFERSON COUNTY --- LAKE MILLS [43.08, -88.90], SULLIVAN [43.02, -88.58]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
MILWAUKEE COUNTY --- BROWN DEER [43.17, -87.97], OAK CREEK [42.87, -87.87]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
OZAUKEE COUNTY --- MEQUON [43.22, -87.98]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
WASHINGTON COUNTY --- 7.0 S HARTFORD [43.22, -88.38], GERMANTOWN [43.23, -88.10]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
WAUKESHA COUNTY --- DOUSMAN [43.02, -88.47], ELM GROVE [43.05, -88.08]				
	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	Source: COOP Observer
JEFFERSON COUNTY --- 1.2 SW PALMYRA [42.87, -88.62]				
	04/03/07 01:00 CST		1K	Thunderstorm Wind (EG 45 kt)
	04/03/07 01:00 CST		0	Source: NWS Employee
A none-severe thunderstorm wind gust to about 45 knots (52 mph) upended and destroyed a patio canopy structure and a glass table. The time is an estimate, however it did occur overnight after midnight.				
GREEN COUNTY --- MONROE [42.60, -89.63], BRODHEAD [42.62, -89.37]				
	04/03/07 02:00 CST		25K	Lightning
	04/03/07 04:30 CST		0	Source: Newspaper
Dozens of power outages resulted from lightning stikes from the city of Monroe to Brodhead. Either the lines and poles were hit or the transformers were hit.				
MILWAUKEE COUNTY --- BROWN DEER [43.17, -87.97], OAK CREEK [42.87, -87.87]				
	04/03/07 02:00 CST		25K	Lightning
	04/03/07 04:30 CST		0	Source: Newspaper

Dozens of power outages resulted from lightning stikes throughout Milwaukee County. About 1400 customers were left without electrical power.

A series of showers and thunderstorms, some with moderate to heavy rainfall rates, left behind rainfall totals of 1.5 almost 3 inches in a band from the Madison (Dane Co.) to Milwaukee (Milwaukee Co.). This resulted in minor small stream/urban flooding in the Madison to Milwaukee corridor. Numerous roads were flooded at one time or another, but none were closed. Raw sewage was dumped into Lake Michigan after storm sewers/deep tunnel system filled up in the Milwaukee area. Specific rainfall totals include 1.84 inches at the UW-Charmany Farm on the southwest side of Madison, 1.80 inches at UW-Whitewater (Jefferson-Walworth county line), 2.48 inches in Elm Grove (Waukesha Co.), and 2.84 inches about 6 miles northwest of downtown Milwaukee. Most of the rain fell between 2100CST on April 2nd and 0600CST on April 3rd, although some minor road and stream flooding continued until about 1000CST on April 3rd. Additionally, lightning strikes were responsible for scattered power outages across south-central and southeast Wisconsin.

Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WI-Z071) RACINE, (WI-Z072) KENOSHA				
	04/04/07 03:00 CST		40K	Strong Wind (MAX 45 kt)
	04/04/07 12:00 CST		0	
<p>Strong northwest winds gusting to 45 knots (52 mph) raked the southeast Wisconsin counties near Lake Michigan mostly during the morning hours, as a deep low pressure moved east from Lake Huron. There were numerous reports of broken small tree branches, and overturned garbage cans and patio furniture. Scattered power outages occurred as broken branches impacted power lines. Measured maximum wind gusts include 45 knots (52 mph) just south of Waukesha (Waukesha Co.), 44 knots (51 mph) near Fond du Lac (Fond du Lac Co.), 42 knots (48 mph) at the Racine Airport (Racine Co.), 41 knots (47 mph) at the Kenosha Airport (Kenosha Co.). Other locations had gusts to 39 knots (45 mph).</p>				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	04/11/07 02:00 CST		0.19M	Winter Storm
	04/11/07 17:00 CST		0	
<p>A strong winter storm affected much of south-central and southeast Wisconsin on April 11th. Although heavy, wet snow accumulated to 3 to 8 inches, east-northeast winds gusting to around 30 to 42 knots (35 to 48 mph) created near-blizzard conditions (visibility of 1/4 to 1/2 mile for a couple hours) in open areas when convective bands of snow moved through. The maximum wind gust of 42 knots (48 mph) was measured at on the Kenosha city lakeshore. Some rain, freezing rain, and sleet were mixed in with the snow. With temperatures hovering around the freezing mark, some snowmelt occurred while it was snowing. The combination of ice accumulating on power lines, snow accumulations on trees and tree branches, and the gusty winds resulted in scattered power outages. About 10,000 customer lost electrical power in south-central Wisconsin and about 44,000 lost power in the southeastern counties. Newspaper articles indicated that there were numerous vehicle accidents due to slippery roads and poor visibilities. Many schools were closed. Milwaukee Mitchell Field (Milwaukee Co.) and Madison Truax Field (Dane Co.) both set new daily snowfall records of 7.0 and 5.3 inches, respectively. The old records were 3.2 and 3.8 inches, respectively; set back in 1997. Numerous airplane flights were delayed by up to 3 hour or more, or were cancelled at the Milwaukee and Madison airports. Other maximum county snowfall amounts, either measured or estimated, include 8 inches in southeast Marquette County, 8 inches in northcentral Columbia County, 8 inches in Hales Corner (Milwaukee Co.), 8 inches in Union Grove (Racine Co.), 8 inches in Delevan (Walworth Co.), 7 inches in Reedsburg (Sauk Co.), 7 inches in southwest Green Lake County, 7 inches in extreme northcentral Kenosha County, 7 inches in southeast Waukesha County, 6.9 inches in Mt. Horeb (Dane Co.), 6.5 inches in Clinton (Rock Co.), 6.5 inches in eastern Iowa County, 6.4 inches in Arygle (Lafayette Co.), 6.2 inches in Cedarburg (Ozaukee Co.) 6 inches in northwest Green County, 6 inches in western Dodge County, 6 inches in Jackson (Washington Co.), 6 inches in far northwest Jefferson County, and 5.5 to 6 inches in far northeast Fond du Lac County and far northwest Sheboygan Counties. On the low side, only 3 to 4 inches accumulated in a swath from Janesville to Watertown to Fond du Lac. At the start of the storm, a 17-year old boy died from the secondary effects (indirectly-related) of hypothermia/exposure near Busseyville in southwestern Jefferson County. He was found dead in a marshy location on Koshkonong Creek.</p>				
GREEN LAKE COUNTY --- 3.2 SE MARKESAN [43.69, -88.93], BERLIN [43.97, -88.93]				
	04/22/07 20:00 CST		30K	Thunderstorm Wind (EG 45 kt)
	04/22/07 20:00 CST		0	Source: Emergency Manager
<p>Microburst-like winds from a decaying band of showers blew down a pole barn southeast of Markesan and flung 2x4 windows through an adjacent building. The winds broke tree branches in the city of Berlin which then fell on power lines. Power outages were noted in Berlin.</p> <p>A band of weakening showers and thunderstorms moved northeast through south-central Wisconsin. By the time this band reached Green Lake County, the thunderstorms had dissipated, there was no lightning, and even the rain showers had weakened. However, scattered wind damage occurred from 3.2 miles southeast of Markesan to Berlin due to evaporative cooling of the rain below cloud bases. A dry airmass below cloud bases enhanced the evaporative cooling.</p>				
DANE COUNTY --- MARSHALL [43.17, -89.05]				
	04/30/07 09:17 CST		5K	Hail (0.75 in)
	04/30/07 09:21 CST		0	Source: Public
<p>Hail shower lasted about 4 minutes, and resulted in slight damage (dents) to several vehicles.</p>				
DODGE COUNTY --- 0.5 WNW WATERTOWN [43.20, -88.73]				
	04/30/07 09:55 CST		0	Hail (0.88 in)
	04/30/07 09:55 CST		0	Source: Public
JEFFERSON COUNTY --- WATERTOWN [43.20, -88.72]				
	04/30/07 09:55 CST		0	Hail (0.75 in)
	04/30/07 09:55 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARQUETTE COUNTY --- 6.0 SW ENDEAVOR [43.64, -89.55]				
	04/30/07 18:05 CST		0	Hail (0.75 in)
	04/30/07 18:05 CST		0	Source: Trained Spotter
COLUMBIA COUNTY --- 3.0 E CAMBRIA [43.55, -89.04]				
	04/30/07 18:39 CST		0	Hail (0.75 in)
	04/30/07 18:39 CST		0	Source: Law Enforcement
DODGE COUNTY --- 1.0 SE BEAVER DAM [43.46, -88.82], MINNESOTA JCT [43.45, -88.67]				
	04/30/07 18:47 CST		0	Hail (0.75 in)
	04/30/07 19:00 CST		0	Source: Trained Spotter
SAUK COUNTY --- 5.0 E BARABOO [43.47, -89.63]				
	04/30/07 19:00 CST		0	Hail (0.75 in)
	04/30/07 19:00 CST		0	Source: Law Enforcement
DODGE COUNTY --- 5.0 SE THERESA [43.47, -88.38]				
	04/30/07 19:08 CST		0	Hail (0.75 in)
	04/30/07 19:08 CST		0	Source: Law Enforcement
RACINE COUNTY --- DOWNTOWN RACINE [42.72, -87.80]				
	04/30/07 21:00 CST		3K	Lightning
	04/30/07 21:00 CST		0	Source: Newspaper

Lightning struke a pole-jumper, resulting in a power outage that affected 2000 customers in the city.

Scattered, short lines of thunderstorms produced scattered reports of large hail across south-central and southeast Wisconsin. On the weather map a surface front extended from northern Iowa through central Illinois. Mid-level, warm-air advection above a dry, cool, east to northeast surface flow fueled the thunderstorms.

ROCK COUNTY --- 5.0 W ORFORDVILLE [42.63, -89.35]				
	04/29/07 20:30 CST		0	Hail (1.00 in)
	04/29/07 20:30 CST		0	Source: Law Enforcement

Scattered thunderstorms accompanied a cold front that pushed south through southern Wisconsin during the evening hours. Afternoon maximum temperatures were in the lower to mid 80s. One storm managed to pulse briefly to severe limits.

Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
FOND DU LAC COUNTY --- 3.7 NNW BRANDON [43.78, -88.80]				
	05/01/07 00:00 CST		0.10M	Lightning
	05/01/07 00:00 CST		0	Source: Newspaper
Lightning struck an older home that was subsequently destroyed by a fire. No one was at home at that time.				
OZAUKEE COUNTY --- 1.7 W SAUKVILLE [43.38, -87.96]				
	05/01/07 04:40 CST		75K	Lightning
	05/01/07 04:40 CST		0	Source: Newspaper
Lightning struck a barn that was subsequently destroyed by a fire. All of the animals escaped, and stored tools were saved. Only a minor amount of hay was lost.				
Scattered thunderstorms resulted in a couple lightning fires.				
SHEBOYGAN COUNTY --- 3.5 NW SHEBOYGAN [43.79, -87.77]				
	05/09/07 11:10 CST		0	Hail (1.00 in)
	05/09/07 11:10 CST		0	Source: Trained Spotter
Large hail the size of pennys to quarters covered the ground white just northwest of the city limits of Sheboygan. No damage was noted. As the storm eventually moved through the city of Sheboygan it dumped heavy rains of 0.81 inches in about 45 minutes. Water accumulated on some roads to a depth of 3 to 5 inches.				
A short line of storms moved southeast through Sheboygan County as an upper low pressure system drifted east across Wisconsin. One storm managed to pulse to severe limits and generate large hail.				
(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	05/10/07 02:00 CST		0	Dense Fog
	05/10/07 06:30 CST		0	
Dense fog developed during the pre-dawn hours and persisted for about 4.5 hours in the counties bordering Lake Michigan from Sheboygan to Kenosha. Visibilities were reduced to around 1/4 mile. Several airplane flights were delayed or cancelled. Raditional cooling of a moist airmass coming in from Lake Michigan led to the dense fog event.				
DANE COUNTY --- 3.0 N SUN PRAIRIE [43.22, -89.20]				
	05/16/07 15:35 CST		0	Funnel Cloud
	05/16/07 15:35 CST		0	Source: Trained Spotter
Brief "cold-air" funnel cloud observed.				
WASHINGTON COUNTY --- 1.0 S HARTFORD [43.31, -88.38]				
	05/16/07 15:50 CST		0	Hail (0.75 in)
	05/16/07 15:50 CST		0	Source: Trained Spotter
The ground was covered white, but there was no damage.				
Afternoon convection resulted in scattered showers and thunderstorms. One storm managed to pulse to severe limits and generate large hail.				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	05/24/07 10:00 CST		46K	Strong Wind (MAX 43 kt)
	05/24/07 17:00 CST		0	
Strong southwest winds ahead of a cold front gusted to 39 to 43 knots (45 to 49 mph) affected south-central and southeast Wisconsin for about 7 hours. Scattered tree damage was noted in the form of broken large tree branches. Scattered, minor, power outages were reported after broken tree branches landed on power-lines. The strong southwest winds were the result of a large pressure gradient ahead of a cold front moving west to east across Wisconsin. In Wisconsin, widespread, strong wind events usually occur behind cold fronts, rather than ahead of them.				

Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SAUK COUNTY --- 1.0 NNW SPRING GREEN [43.19, -90.08]				
	05/24/07 13:22 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/24/07 13:22 CST		0	Source: Law Enforcement
Large trees were uprooted.				
SAUK COUNTY --- LAKE DELTON [43.58, -89.78]				
	05/24/07 13:45 CST		50K	Thunderstorm Wind (EG 56 kt)
	05/24/07 13:55 CST		0	Source: Law Enforcement
Large trees were uprooted. One vehicle was damaged when a tree fell on it. A couple electrical transformers were damaged by felled trees.				
COLUMBIA COUNTY --- WISCONSIN DELLS [43.63, -89.77]				
	05/24/07 13:48 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/24/07 14:00 CST		0	Source: Law Enforcement
Large trees were uprooted across the city of Wisconsin Dells.				
COLUMBIA COUNTY --- 3.0 N PORTAGE [43.59, -89.45]				
	05/24/07 14:00 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/24/07 14:00 CST		0	Source: Trained Spotter
Large trees were uprooted.				
MARQUETTE COUNTY --- 1.0 SW ENDEAVOR [43.69, -89.48]				
	05/24/07 14:15 CST		2K	Thunderstorm Wind (EG 52 kt)
	05/24/07 14:15 CST		0	Source: Trained Spotter
Large trees were uprooted.				
MARQUETTE COUNTY --- WESTFIELD [43.88, -89.48]				
	05/24/07 14:15 CST		2K	Thunderstorm Wind (EG 56 kt)
	05/24/07 14:15 CST		0	Source: COOP Observer
Large trees were uprooted.				
GREEN LAKE COUNTY --- BERLIN [43.97, -88.93]				
	05/24/07 14:50 CST		20K	Thunderstorm Wind (EG 56 kt)
	05/24/07 14:50 CST		0	Source: Trained Spotter
Large trees were uprooted and several power-lines were damaged/felled.				
A pre-frontal squall line evolved into two separate north-south lines of thunderstorms that moved east to west across parts of south-central Wisconsin. Within the lines there were short bowing-segments. Afternoon instability was limited due to a large amount of clouds ahead of the thunderstorms.				

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE MICHIGAN				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 0.6 NE KENOSHA [42.59, -87.82]				
	06/07/07 09:00 CST		1K	Marine Strong Wind (MG 37 kt)
	06/07/07 09:00 CST		0	Source: Other Federal Agency
A canopy on a boat in the harbor was ripped into pieces.				
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	06/07/07 16:00 CST		1K	Marine Strong Wind (MG 39 kt)
	06/07/07 16:00 CST		0	Source: Other Federal Agency
A canopy on a boat in the harbor was ripped into pieces.				
Strong, gusty, gradient, southwest winds ahead of a cold front peaked over 34 knots (40 mph) over the Lake Michigan waters.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 0.6 NE KENOSHA [42.59, -87.82]				
	06/07/07 15:05 CST		0	Marine Thunderstorm Wind (MG 35 kt)
	06/07/07 15:05 CST		0	Source: Other Federal Agency
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.7 E SHEBOYGAN [43.75, -87.69]				
	06/07/07 21:20 CST		0	Marine Thunderstorm Wind (MG 44 kt)
	06/07/07 21:20 CST		0	Source: C-MAN Station
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	06/07/07 22:20 CST		0	Marine Thunderstorm Wind (MG 47 kt)
	06/07/07 22:20 CST		0	Source: Other Federal Agency
Minimum sustained wind speed was 38 knots (44 mph) for the period of 22:15 to 22:30CST as thunderstorms rolled through the harbor.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 0.6 NE KENOSHA [42.59, -87.82]				
	06/07/07 23:15 CST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/07/07 23:15 CST		0	Source: Other Federal Agency
A line of strong to severe thunderstorms moved out over Lake Michigan.				
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	06/18/07 15:45 CST		0	Marine Thunderstorm Wind (MG 47 kt)
	06/18/07 15:45 CST		0	Source: Other Federal Agency
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	06/18/07 15:50 CST		0	Marine Thunderstorm Wind (MG 36 kt)
	06/18/07 15:50 CST		0	Source: Other Federal Agency
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.7 E SHEBOYGAN [43.75, -87.69]				
	06/18/07 16:48 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	06/18/07 16:48 CST		0	Source: C-MAN Station
A cluster of strong to severe thunderstorms ahead of a cold front moved out over Lake Michigan. The storms moved northeast at 35 knots or higher.				
WISCONSIN, Southeast				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z060) OZAUKEE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	06/01/07 00:00 CST		0	Dense Fog
	06/01/07 06:00 CST		0	

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Dense fog developed during the overnight hours of June 1st and reduced visibilities to 1/8 to 1/4 mile. Several airline flights were delayed. Evaporation of moisture from rain the day before combined with light winds and a mostly clear sky to set the stage for dense fog.

LAFAYETTE COUNTY --- 3.8 S SHULLSBURG [42.52, -90.22], 3.7 S SHULLSBURG [42.52, -90.22]

06/01/07 14:17 CST	0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
06/01/07 14:18 CST	0	Source: NWS Storm Survey

A brief, weak tornado spun up about 3.8 miles south (168 degrees) of Shullsburg. Only some minor tree damage was noted. Specifically, it occurred about 0.7 miles southwest/225 degrees of the intersection of Blackhawk Rd. and Monticello Rd. The lat/lon data is: N42.51590 W90.21600 for the start point and N42.51696 W90.21577 for the end point. The average path width was about 10 yards. DI#27 (TH), DOD2. Estimated winds 65-70 knots (75-80 mph).

LAFAYETTE COUNTY --- 2.1 WNW DUNBARTON [42.58, -90.17], 2.1 WNW DUNBARTON [42.58, -90.17]

06/01/07 14:31 CST	0	Tornado (EF0, L: 0.23 mi , W: 30 yd)
06/01/07 14:32 CST	0	Source: Trained Spotter

A brief, weak tornado spun up about 2.1 miles west-northwest of Dunbarton, or about 3.3 miles east of Shullsburg, or 0.27 southeast (133 degrees) of the insection of STH 11 and CTH E/Summit Rd. It resulted n only matted-down grasses, since the corn crop wasn't tall enough to sustain damage. It traveled north and cross STH 11, about 0.23 miles east of the intersection of STH 11 and CTH E, and dissipated just north of STH 11. The decaying supercell thunderstorm that generated this tornado also spun up an earlier weak tornado about 3.8 miles south of Shullsburg. The specific lat/lon data for the Dunbarton tornado is: N42.57850 W90.16877 for the start and N42.58176 W90.16859 for the end point. The average path width was 20 yards. No DI. Estimated wind speed is 56-61 knots (65-70 mph).

MILWAUKEE COUNTY --- 7.2 SW DOWNTOWN MILWAUKEE [42.96, -88.07], 3.0 E FRANKLIN [42.87, -88.02]

06/01/07 16:50 CST	0	Heavy Rain
06/01/07 18:50 CST	0	Source: Trained Spotter

Heavy rains up to 2.65 inches in two hours resulted in minor urban flooding of roads since storm sewers were unable to handle the volumn of runoff.

DODGE COUNTY --- 1.0 NE WATERTOWN [43.21, -88.71]

06/01/07 16:55 CST	20K	Thunderstorm Wind (EG 65 kt)
06/01/07 16:55 CST	0	Source: Trained Spotter

An isolated downburst leveled trees near the intersection fo STH 16 and CTH R. At least a couple homes sustained some roof damage when large trees fell on them.

WALWORTH COUNTY --- SHARON [42.50, -88.73]

06/01/07 17:10 CST	5K	Thunderstorm Wind (EG 56 kt)
06/01/07 17:10 CST	0	Source: Law Enforcement

An isolated downburst leveled trees on the southwest side of the village. There was slight power-line damage.

WAUKESHA COUNTY --- DOWNTOWN WAUKESHA [43.02, -88.22], MENOMONEE FALLS [43.18, -88.10]

06/01/07 18:00 CST	0	Heavy Rain
06/01/07 20:00 CST	0	Source: Trained Spotter

Heavy rains up to around 2 inches in two hours resulted in minor urban flooding of roads since storm sewers were unable to handle the volumn of runoff. Water depths on some roads reached 10 to 15 inches.

On June 1st, isolated severe storms generated a couple weak tornadoes in Lafayette County and dome downburst wind damage (toppled trees) in the counties of Dodge and Walworth. This activity was the first day of a 7-day period of periodic showers and storms across southern Wisconsin as a cut-off, upper-level, low pressure moved slowly east from the Dakotas through the lower Great Lakes Region. Spiral bands of convection developed, and became enhanced with daytime heating. There was a sufficient amount of vertical wind shear to generate isolated supercells and scattered severe storms from time to time.

(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE

06/02/07 21:00 CST	0	Dense Fog
06/03/07 06:00 CST	0	

Dense fog developed overnight on June 2nd and lowered visibilities to 1/8 to 1/4 mile. A few early-morning airplane flights were delayed at the Sheboygan County airport. A light southeast wind off Lake Michigan, mostly clear skies, and left-over evaporated moisture from rain during the daytime on June 2nd set the stage for dense fog.

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY --- 2.1 SSW JACKSON [43.29, -88.19]				
	06/02/07 13:19 CST		0	Tornado (EF0, L: 0.01 mi , W: 15 yd)
	06/02/07 13:19 CST		0	Source: Trained Spotter
<p>A brief, weak tornado spun up about 2.12 miles south-southwest (198 degrees) of the city of Jackson, or about 2.4 miles north of the village of Richfield (just west of STH 45), or about 0.23 miles southwest (225 degrees) of the STH 45 overpass with Western Ave. It was stationary during its 20-30 seconds life-span, based on trained spotter accounts. It resulted in only matted-down grasses. No EF-Scale Damage Indicator (DI) could be used. Specific lat/lon info is: N43.29313 W88.19027. Estimated average path width was about 20 yards. Estimated wind speed is 56-61 knots (65-70 mph).</p> <p>Isolated severe weather affected Washington County on June 2nd as a line of thunderstorms moved north/northeast through southern Wisconsin. On this day, an upper-level, cut-off low pressure was drifting slowly east through Minnesota. Sufficient vertical wind shear was present in spiral bands of convection in order to generate rotating updrafts in some cells.</p>				
SAUK COUNTY --- HILLPT [43.42, -90.12]				
	06/03/07 09:35 CST		0	Funnel Cloud
	06/03/07 09:35 CST		0	Source: Law Enforcement
WASHINGTON COUNTY --- 2.9 NNE KIRCHHAYN [43.34, -88.07], 3.3 NNE KIRCHHAYN [43.34, -88.07]				
	06/03/07 13:10 CST		25K	Tornado (EF1, L: 0.45 mi , W: 50 yd)
	06/03/07 13:20 CST		0	Source: Emergency Manager
<p>A weak tornado struck a rural cluster of homes about 2.9 miles north-northeast (82 degrees) of Kuchhayn, or 4.5 miles east of Jackson, or about 0.4 miles southeast (135 degrees) of the intersection of CTH M and Cedar Creek Rd., and then headed north and crossed Cedar Creek Rd. It dissipated just south of Cedar Creek, or about 3.3 north-northeast (72 degrees) of Kirchhayn. Two homes on Highview Dr. sustained slight damage to roof shingles, gutters, and siding. A boat and shed were also damaged. About 30 trees sustained damage, and 6 were uprooted. Average path width was about 25 yards. The specific lat/lon data is: N43.3370 W88.07220 for the start and N43.34350 W88.07290 for the end point. DI #2 (FR12), DOD2. Estimated wind speeds 90 mph.</p>				
WASHINGTON COUNTY --- 3.0 E WEST BEND [43.42, -88.12]				
	06/03/07 13:15 CST		0	Funnel Cloud
	06/03/07 13:15 CST		0	Source: Law Enforcement
JEFFERSON COUNTY --- 5.0 W JEFFERSON [43.00, -88.90], HELENVILLE [43.02, -88.70]				
	06/03/07 15:10 CST		25K	Thunderstorm Wind (EG 56 kt)
	06/03/07 15:35 CST		0	Source: Trained Spotter
<p>Powerful thunderstorm winds toppled trees and resulted in damage to power-lines and cable-TV lines. Electrical customers were without power for several hours. Associated rain was described as going sideways in white sheets. Between Jeffeson and Helenville a couple roads were blocked with tree debris. About 2 inches of rain accompanied the storms.</p>				
DANE COUNTY --- 5.0 W DOWNTOWN MADISON [43.07, -89.52], 3.0 E DOWNTOWN MADISON [43.07, -89.36]				
	06/03/07 17:00 CST		0.20M	Flash Flood (due to Heavy Rain)
	06/03/07 21:00 CST		0	Source: Law Enforcement
<p>Heavy rains due to repeated rounds of thunderstorms resulted in a flash flood across Madison. Water depths on some roads reached 3 feet, and numerous homes had basement flooding. Some of the UW-Madison campus buildings also sustained water damage to foundations and/or contents. For the day up to 2100CST, Middleton, which is adjacent to the west side of Madison, measured 3.62 inches of rain. In only one hour during the evening, the far northeast side of Madison picked up 2.25 inches, based on spotter reports. Estimated WSR-88D Doppler radar rainfall rates reached 1 to 2 inches per hour as the storms moved the city.</p>				
DANE COUNTY --- CROSS PLAINS [43.12, -89.63]				
	06/03/07 18:20 CST		0	Funnel Cloud
	06/03/07 18:20 CST		0	Source: Law Enforcement
<p>For the 3rd consecutive day, severe weather struck parts of south-central and southeast Wisconsin on June 3rd in the form of an isolated tornado, downburst winds (toppled trees), and a flash flood. On this day, a cut-off low pressure drifted slowly across Wisconsin, after being found back in the Dakotas on June 1st. Spiral bands of convection continued to become enhanced during the daytime heating period.</p>				
(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	06/03/07 19:00 CST		0	Dense Fog
	06/04/07 06:00 CST		0	

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Dense fog developed overnight and reduced visibilities to 1/8 to 1/4 mile in the counties near Lake Michigan. Several airplane flights were delayed. The dense fog resulted from the combination of a clear sky, and a light southeast wind that brought moisture in from Lake Michigan.

FOND DU LAC COUNTY --- FOND DU LAC [43.78, -88.45]

06/04/07 05:00 CST	50K	Flash Flood (due to Heavy Rain)
06/04/07 08:00 CST	0	Source: Law Enforcement

A flash flood occurred across the city of Fond du Lac that resulted in widespread basement flooding, and minor road damage consisting of gravel and shoulder washouts. Water depths on some streets reached 2 to 4 feet. A coop observer in the city measured 3.9 inches of rain while the storms were rolling through the city.

On June 4th, repeated rounds of thunderstorms, moving north to south around sunrise, dumped heavy rains on the city of Fond du Lac that resulted in a flash flood.

(WI-Z051) FOND DU LAC, (WI-Z066) MILWAUKEE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z071) RACINE, (WI-Z072) KENOSHA

06/07/07 09:00 CST	35K	Strong Wind (MAX 39 kt)
06/07/07 16:00 CST	0	

Strong south winds, gusting to around 39 knots (45 mph), raked parts of south-central and southeast Wisconsin on June 7th. These strong winds occurred ahead of a cold front that trailed behind a deep low pressure that moved northeast through the state of Minnesota. There were scattered reports of downed power-lines as the wind broke trees branches that then fell on the lines. At the top of the 15-story AOS Building on the UW-Madison campus, a 41 knot (47 mph) wind gust was measured at 0916CST.

GREEN COUNTY --- 5.0 W MONTICELLO [42.73, -89.68]

06/07/07 17:10 CST	0	Funnel Cloud
06/07/07 17:10 CST	0	Source: Amateur Radio

GREEN COUNTY --- 1.0 S NEW GLARUS [42.81, -89.63]

06/07/07 17:20 CST	0	Funnel Cloud
06/07/07 17:20 CST	0	Source: Amateur Radio

MILWAUKEE COUNTY --- 6.0 SW DOWNTOWN MILWAUKEE [42.97, -88.05], (MKE)MITCHELL APT MI [42.95, -87.90]

06/07/07 21:00 CST	0	Heavy Rain
06/07/07 23:00 CST	0	Source: Trained Spotter

Thunderstorms with heavy rain dumped 1.3 inches in 43 minutes. Minor road flooding resulted and water depths of 1 foot on roads were reported.

WALWORTH COUNTY --- ELKHORN [42.67, -88.55]

06/07/07 21:43 CST	15K	Thunderstorm Wind (EG 65 kt)
06/07/07 21:50 CST	0	Source: Law Enforcement

Large trees were toppled and several power-lines were damaged due to powerful straight-line thunderstorm winds that raked the city of Elkhorn.

RACINE COUNTY --- WATERFORD [42.77, -88.22]

06/07/07 21:54 CST	10K	Thunderstorm Wind (MG 61 kt)
06/07/07 22:00 CST	0	Source: Law Enforcement

Large trees were toppled and several power-lines were damaged due to powerful straight-line thunderstorm winds that raked the city of Waterford.

WAUKESHA COUNTY --- 5.0 SE MUSKEGO [42.85, -88.06]

06/07/07 22:00 CST	0	Thunderstorm Wind (EG 52 kt)
06/07/07 22:10 CST	0	Source: Amateur Radio

Several large trees were uprooted by powerful, straight-line thunderstorm winds.

MILWAUKEE COUNTY --- 6.0 S DOWNTOWN MILWAUKEE [42.94, -87.97]

06/07/07 22:10 CST	10K	Thunderstorm Wind (MG 56 kt)
06/07/07 22:10 CST	0	Source: Amateur Radio

Several large trees were uprooted by powerful, straight-line thunderstorm winds. Power-lines were damaged.

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MILWAUKEE COUNTY --- 6.0 SW DOWNTOWN MILWAUKEE [42.97, -88.05]				
	06/07/07 22:10 CST		10K	Thunderstorm Wind (MG 59 kt)
	06/07/07 22:10 CST		0	Source: Amateur Radio
Several large trees were uprooted by powerful, straight-line thunderstorm winds. Power-lines were damaged.				
MILWAUKEE COUNTY --- GLENDALE [43.13, -87.90]				
	06/07/07 22:15 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/07/07 22:25 CST		0	Source: Amateur Radio
Several large trees were uprooted by powerful, straight-line thunderstorm winds. Power-lines were damaged.				
Two lines of thunderstorms on June 7th, the first one pre-frontal and the second one along a cold front, moved east across south-central and southeast Wisconsin. Some of the cells generated funnel clouds, powerful downburst winds that toppled large trees, and locally heavy rains (minor urban flooding).				
JEFFERSON COUNTY --- 3.0 E FT ATKINSON [42.93, -88.79]				
	06/18/07 14:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/18/07 14:15 CST		0	Source: NWS Employee
Powerful thunderstorm wind gusts toppled several large trees, some up to 18 inches in diameter.				
KENOSHA COUNTY --- 1.0 NE BENET LAKE [42.51, -88.02], 3.0 NW SOMERS [42.68, -87.94]				
	06/18/07 14:57 CST		0.15M	Thunderstorm Wind (EG 74 kt)
	06/18/07 15:12 CST		0	Source: Law Enforcement
A powerful macroburst moved northeast through central Kenosha County and tore up dozens of trees, and damaged a number of powerlines. The width of the damage path was on the order of 5 to 6 miles. Estimated peak wind gusts were probably on the order of 74 knots (85 mph). A large tree in Bristol fell on a church, resulting in appreciable damage. In the civil town of Paris, on CTH D, a 10' by 50' part of a home's roof was ripped off.				
RACINE COUNTY --- 4.0 WSW STURTEVANT [42.68, -87.97], 3.5 NE HUSHER [42.86, -87.85]				
	06/18/07 15:12 CST		0.60M	Thunderstorm Wind (EG 74 kt)
	06/18/07 15:28 CST		0	Source: Law Enforcement
A powerful macroburst moved northeast through the eastern half of Racine county and tore up hundreds of trees, blew over several semi-tractor trailers on Interstate-94 between STH 11 and 20, leveled a barn, destroyed another pole shed, ripped the roof off a home, and toppled about 30 power-poles and 59 spans of wire. Additionally, there was wind damage to the Ives Grove Golf Course, the County Board chambers, a Sheriff's Department storage building, and a Public Works Department garage. About a half-dozen campers were overturned by the powerful winds. Several homes sustained tree debris damage. At least six other cars were significantly damaged by flying debris or fallen trees. Monetary damage to the power-poles and power-lines was on the order of \$90,000 alone. Newspaper reports mentioned that the damaged swath looked like a war-zone. The width of the damage swath was on the order of 3 to 5 miles. Based on the structural damage it is that estimated peak wind gusts were probably on the order of 87 knots (100 mph). Eyewitness accounts indicated that visibility was less than 10 yards due to the winds and rains.				
MILWAUKEE COUNTY --- 4.0 SE OAK CREEK [42.83, -87.81], 3.0 SE OAK CREEK [42.84, -87.83]				
	06/18/07 15:29 CST		10K	Thunderstorm Wind (EG 56 kt)
	06/18/07 15:32 CST		0	Source: Law Enforcement
Powerful thunderstorm winds toppled large trees and damaged power-lines. Estimated wind gusts were on the order of 56 knots (65 mph).				
WAUKESHA COUNTY --- 1.0 SW BROOKFIELD [43.06, -88.16], 1.0 N BROOKFIELD [43.08, -88.15]				
	06/18/07 15:37 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/18/07 15:41 CST		0	Source: Amateur Radio
Powerful thunderstorm winds toppled large trees. Estimated wind gusts were on the order of 52 knots (60 mph). One tree landed on the roof of a home, but there was only minor gutter damage.				
WAUKESHA COUNTY --- 1.5 E MENOMONEE FALLS [43.18, -88.07]				
	06/18/07 15:52 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/18/07 15:52 CST		0	Source: Trained Spotter
Powerful thunderstorm winds toppled large trees. Estimated wind gusts were on the order of 52 knots (60 mph).				

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OZAUKEE COUNTY --- 3.0 SW MEQUON [43.19, -88.02]				
	06/18/07 16:00 CST		2K	Thunderstorm Wind (EG 52 kt)
	06/18/07 16:00 CST		0	Source: Public
Powerful thunderstorm winds toppled large trees. Estimated wind gusts were on the order of 52 knots (60 mph).				
ROCK COUNTY --- BELOIT [42.52, -89.03]				
	06/18/07 21:30 CST		30K	Flash Flood (due to Heavy Rain)
	06/18/07 23:00 CST		0	Source: Law Enforcement
Repeated rounds of thunderstorms resulted in a flash flood that left water depths on some roads to around 3 feet. Several cars were stalled and sustained water damage. Some basements also flooded. WSR-88D Doppler radar rainfall estimates were in the 2 to 3 inch range.				
KENOSHA COUNTY --- 1.0 NE SILVER LAKE [42.56, -88.16]				
	06/18/07 23:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	06/18/07 23:45 CST		0	Source: Law Enforcement
Repeated rounds of thunderstorms resulted in a brief flash flood that left water depths on some roads to 2 to 3 feet. CTH B, south of STH 50, was washed out by fast-flowing water, and water depths in that area reached 3 feet. Some gravel shoulder washouts were also noted around Silver Lake. WSR-88D Doppler radar rainfall estimates were in the 2 to 3 inch range. Private citizes measured 2.6 inches in Bristol and Paris.				
On June 18th small clusters of storms moved northeast through southeastern Wisconsin ahead of a cold front. Wet microbursts and macrobursts generated powerful wind gusts of 65 to 87 knots (75 to 100 mph) that toppled large trees, damaged power-lines and power-poles, and pushed over vehicles. Localized flash flooding was reported. Maximum afternoon air temperatures reached the mid to upper 80s with dewpoints in the mid to upper 60s. About 19,400 customers lost electrical service.				
RACINE COUNTY --- 5.5 SE BURLINGTON [42.61, -88.19]				
	06/21/07 06:44 CST		0	Hail (0.75 in)
	06/21/07 06:44 CST		0	Source: Public
KENOSHA COUNTY --- WHEATLAND [42.60, -88.20], PADDOCK LAKE [42.58, -88.12]				
	06/21/07 06:47 CST		0.20M	Hail (1.00 in)
	06/21/07 06:57 CST		0	Source: Law Enforcement
Large hail up to 1 inch in diameter coated the ground white from Wheatland to Paddock Lake. In this swath, at least 600 acres of corn, soybean, and hay were severely damaged.				
KENOSHA COUNTY --- SILVER LAKE [42.55, -88.17]				
	06/21/07 06:56 CST		0	Hail (0.88 in)
	06/21/07 06:56 CST		0	Source: Law Enforcement
RACINE COUNTY --- 2.0 NW STURTEVANT [42.72, -87.93]				
	06/21/07 12:33 CST		3K	Lightning
	06/21/07 12:33 CST		0	Source: Newspaper
Lightning struck an electrical power transformer, resulting in the loss of service to 700 customers and several stop lights in the area from Caladonia to Sturtevant.				
DANE COUNTY --- DOWNTOWN MADISON [43.07, -89.42]				
	06/21/07 18:10 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/07 18:15 CST		0	Source: Law Enforcement
Numerous large tree branches were knocked down across the city as a severe storms moved southeast. Some large trees were also pushed over.				
DANE COUNTY --- 3.0 S CROSS PLAINS [43.08, -89.63]				
	06/21/07 18:22 CST		0	Hail (0.75 in)
	06/21/07 18:22 CST		0	Source: Law Enforcement
In addition to the hail, estimated thunderstorm wind gusts to about 43 knots (50 mph) were reported.				
DANE COUNTY --- MT VERNON [42.95, -89.33]				

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/07 18:58 CST		0	Hail (0.75 in)
	06/21/07 18:58 CST		0	Source: Public

IOWA COUNTY --- CLYDE [43.12, -90.22]

06/21/07 19:20 CST	0	Thunderstorm Wind (EG 56 kt)
06/21/07 19:20 CST	0	Source: Law Enforcement

Large trees were pushed over by powerful thunderstorm wind gusts.

LAFAYETTE COUNTY --- ARGYLE [42.70, -89.87]

06/21/07 21:00 CST	10K	Lightning
06/21/07 21:00 CST	0	Source: Newspaper

Lightning struck a power-pole outside an electrical-generating plant in Arygle. The electrical charge associated with the lightning then traveled inside the plant and started a fire in the generator. Only minor damage was noted due to quick response by fire-fighters.

Two rounds of isolated severe storms affected parts of south-central and southeast Wisconsin on June 21st - one in the early morning hours and the second one during the evening. An upper-level low pressure and weak frontal boundary aided in the thunderstorm development. The storms that did become severe generated large hail and damaging downburst winds.

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE MICHIGAN				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 2.2 ESE KENOSHA [42.57, -87.79]				
	07/09/07 13:55 CST	0		Marine Thunderstorm Wind (MG 38 kt)
	07/09/07 13:55 CST	0		Source: Other Federal Agency
The automated Kenosha GLERL site measured a gust of 37.54 knots (44 mph).				
Thunderstorms associated with a weak cold front moved out over Lake Michigan. Strong wind gusts accompanied some of the storms.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 2.2 ESE KENOSHA [42.57, -87.79]				
	07/10/07 15:25 CST	0		Marine Thunderstorm Wind (MG 48 kt)
	07/10/07 15:25 CST	0		Source: Other Federal Agency
The Kenosha GLERL observation site measured a wind gust of 47.51 knots (55 mph).				
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.7 E SHEBOYGAN [43.75, -87.69]				
	07/10/07 15:33 CST	0		Marine Thunderstorm Wind (MG 42 kt)
	07/10/07 15:33 CST	0		Source: C-MAN Station
A 42 knot (48 mph) thunderstorm wind gust was measured at the Sheboygan C-MAN.				
Storm associated with a cold front moved out over Lake Michigan. Strong winds were generated by some of the storms.				
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.7 E SHEBOYGAN [43.75, -87.69]				
	07/12/07 16:31 CST	0		Marine Thunderstorm Wind (MG 43 kt)
	07/12/07 16:31 CST	0		Source: C-MAN Station
The Sheboygan C-MAN observation site measured a wind gust of 43 knots (49 mph).				
A line of thunderstorms dropped southeast through east-central Wisconsin and out over Lake Michigan and generated strong wind gusts. Theh storms were embedded in deep northwest flow.				
SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.7 E SHEBOYGAN [43.75, -87.69]				
	07/05/07 16:33 CST	0		Marine Thunderstorm Wind (MG 35 kt)
	07/05/07 16:33 CST	0		Source: C-MAN Station
The Sheboygan C-MAN measured a wind gust of 35 knots (40 mph).				
An isolated thunderstorm pulsed to severe levels. The storm was embedded in a broad, deep cyclonic flow. Daytime maximum temperatures were in the mid 80s and dew points around 60.				
WISCONSIN, Southeast				
WASHINGTON COUNTY --- KEWASKUM [43.52, -88.22]				
	07/03/07 11:10 CST		50K	Lightning
	07/03/07 11:10 CST		0	Source: Newspaper
Lightning struck an 150-year-old building's TV antenna, resulting in an attic fire. Damage was limited to the attic and one apartment.				
WASHINGTON COUNTY --- SLINGER [43.33, -88.28]				
	07/03/07 12:20 CST		10K	Lightning
	07/03/07 12:20 CST		0	Source: Newspaper
Lightning struck a home in Slinger, and the resultant fire damaged only the living room and electrical wiring.				
MARQUETTE COUNTY --- 2.0 N PACKWAUKEE [43.80, -89.45]				
	07/03/07 17:10 CST	0		Hail (0.75 in)
	07/03/07 17:10 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MARQUETTE COUNTY --- 3.0 NE HARRISVILLE [43.91, -89.36]				
	07/03/07 17:15 CST		50K	Flash Flood (due to Heavy Rain)
	07/03/07 19:30 CST		0	Source: Law Enforcement
Slow moving thunderstorm cells trained over the same area northeast of Harrisville near and along CTH E (3 NE Harrisville or about 2.7 miles west-southwest of Budsin), resulting in a flash flood. Water depths on road surfaces reached 2 to 3 feet, and water entered basements of several homes. Damage occurred to personal property in the basements. WSR-88D Doppler radar rainfall estimates were on the order of 3 to 4 inches.				
SAUK COUNTY --- 2.0 W LAKE DELTON [43.58, -89.82]				
	07/03/07 17:50 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/03/07 17:50 CST		0	Source: Law Enforcement
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled large trees. A couple power-lines came down with tree debris.				
COLUMBIA COUNTY --- 7.0 WNW PORTAGE [43.59, -89.58]				
	07/03/07 18:00 CST		5K	Thunderstorm Wind (EG 52 kt)
	07/03/07 18:00 CST		0	Source: Law Enforcement
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled large trees. A couple power-lines came down with tree debris.				
GREEN LAKE COUNTY --- 1.0 NE GREEN LAKE [43.84, -88.94]				
	07/03/07 18:04 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/07 18:04 CST		0	Source: Law Enforcement
Powerful downburst winds gusting to around 52 knots (60 mph) toppled several large trees.				
SAUK COUNTY --- 6.0 WNW SPRING GREEN [43.21, -90.18], 3.0 W SPRING GREEN [43.18, -90.13]				
	07/03/07 18:36 CST		5K	Thunderstorm Wind (MG 52 kt)
	07/03/07 18:40 CST		0	Source: ASOS
Powerful downburst thundestorm winds gusting to a measured 52 knots (60 mph) gust at the Lone Rock Airport (LNR) ASOS unit toppled large trees. A couple power-lines came down with tree debris.				
DODGE COUNTY --- 3.0 SE RANDOLPH [43.50, -88.96]				
	07/03/07 18:37 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/07 18:37 CST		0	Source: Trained Spotter
Powerful downburst thundestorm winds gusting to around 52 knots (60 ph) toppled several large trees.				
IOWA COUNTY --- 5.0 W ARENA [43.17, -90.02]				
	07/03/07 18:45 CST		25K	Thunderstorm Wind (EG 56 kt)
	07/03/07 18:45 CST		0	Source: Law Enforcement
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled large trees. Seveal power-lines came down with tree debris.				
IOWA COUNTY --- 3.5 S BARNEVELD [42.97, -89.90]				
	07/03/07 19:10 CST		0.20M	Thunderstorm Wind (EG 65 kt)
	07/03/07 19:10 CST		0	Source: Law Enforcement
Powerful downburst thundestorm winds gusting to around 65 knots (75 mph) toppled hundreds of large trees in a forested area. Several power-lines came down with tree debris. One large tree fell onto a vehicle. Two small sheds were destroyed by the winds, and one home sustained window damage.				
DANE COUNTY --- SUN PRAIRIE [43.18, -89.20]				
	07/03/07 19:40 CST		20K	Thunderstorm Wind (EG 56 kt)
	07/03/07 19:40 CST		0	Source: Law Enforcement
Powerful downburst thundestorm winds gusting to around 56 knots (65 mph) toppled several large trees. Several power-lines came down with tree debris.				
IOWA COUNTY --- 3.0 N REWEY [42.89, -90.40]				
	07/03/07 19:40 CST		25K	Thunderstorm Wind (EG 56 kt)
	07/03/07 19:40 CST		0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled large trees. Seveal power-lines came down with tree debris.				
LAFAYETTE COUNTY --- 3.0 N ARGYLE [42.74, -89.87]				
	07/03/07 19:45 CST		5K	Thunderstorm Wind (EG 56 kt)
	07/03/07 19:45 CST		0	Source: Trained Spotter
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled several large trees and a couple power-lines came down due to tree debris.				
GREEN COUNTY --- 2.0 NW JORDAN [42.67, -89.81], ALBANY [42.70, -89.43]				
	07/03/07 19:55 CST		0	Thunderstorm Wind (EG 52 kt)
	07/03/07 19:55 CST		0	Source: Trained Spotter
Powerful downburst thundestorm winds gusting to around 52 knots (60 mph) toppled several large trees.				
ROCK COUNTY --- DOWNTOWN JANESVILLE [42.68, -89.02]				
	07/03/07 23:30 CST		0.28M	Lightning
	07/03/07 23:30 CST		0	Source: Newspaper
A 2-story Janesville home was destroyed by a fire after lightning struck it.				
A mesoscale convective system over the Dakotas moved east-southeast through Wisconsin. It was aided by a strong short wave trough aloft and a cold front dropping southeast. Short bowing segments of storms generated damaging winds, large hail, and heavy rains that led to localize flash flooding.				
OZAUKEE COUNTY --- 2.0 S BELGIUM [43.47, -87.85]				
	07/05/07 16:43 CST		0	Hail (0.75 in)
	07/05/07 16:43 CST		0	Source: Public
An isolated thunderstorm pulsed to severe limits. The storm was embedded in broad, deep, cyclonic flow. Daytime maximum temperatures were in the mid 80s and dewpoints around 60.				
DODGE COUNTY --- 2.5 SW MAYVILLE [43.47, -88.59]				
	07/09/07 02:15 CST		60K	Lightning
	07/09/07 02:15 CST		0	Source: Newspaper
Lightning struck a barn on Morris Rd., resulting in a fire that destroyed the structure, as well as a 1994 vehicle parked inside. An adjacent small shed also had a small fire that was quickly extinguished.				
JEFFERSON COUNTY --- 0.2 NE WATERLOO [43.18, -88.98]				
	07/09/07 09:50 CST		0	Hail (1.00 in)
	07/09/07 09:52 CST		0	Source: Trained Spotter
WASHINGTON COUNTY --- KOHLVILLE [43.47, -88.32]				
	07/09/07 10:17 CST		0	Thunderstorm Wind (EG 52 kt)
	07/09/07 10:17 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled several large trees.				
DODGE COUNTY --- RUBICON [43.33, -88.47]				
	07/09/07 10:18 CST		0	Thunderstorm Wind (EG 52 kt)
	07/09/07 10:18 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled several large trees.				
WAUKESHA COUNTY --- 4.0 N HARTLAND [43.16, -88.35]				
	07/09/07 10:31 CST		0	Hail (0.75 in)
	07/09/07 10:31 CST		0	Source: Public
ROCK COUNTY --- 5.0 NE MILTON [42.82, -88.88]				
	07/09/07 12:00 CST		0	Hail (1.00 in)
	07/09/07 12:00 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WALWORTH COUNTY --- WHITEWATER [42.83, -88.73]				
	07/09/07 12:02 CST		0	Hail (0.75 in)
	07/09/07 12:02 CST		0	Source: COOP Observer
JEFFERSON COUNTY --- 4.0 SE COLD SPG [42.84, -88.72]				
	07/09/07 12:03 CST		0	Hail (0.75 in)
	07/09/07 12:03 CST		0	Source: Public
WALWORTH COUNTY --- 2.5 NE DELAVAN [42.66, -88.60], MILLARD [42.73, -88.62]				
	07/09/07 12:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/09/07 12:40 CST		0	Source: Law Enforcement
Powerful thunderstorm winds toppled several large trees.				
WALWORTH COUNTY --- SPRING PRAIRIE [42.68, -88.40]				
	07/09/07 12:56 CST		0	Hail (0.88 in)
	07/09/07 12:56 CST		0	Source: Trained Spotter
Thunderstorm wind gusts to about 39 knots (45 mph) also noted.				
KENOSHA COUNTY --- TWIN LAKES [42.53, -88.25]				
	07/09/07 13:05 CST		30K	Thunderstorm Wind (EG 52 kt)
	07/09/07 13:05 CST		0	Source: Newspaper
Powerful thunderstorm gusts to around 52 knots (60 mph) toppled large trees and tree branches. The tree debris damage a home's porch and garage, and a car and boat.				
RACINE COUNTY --- BURLINGTON [42.67, -88.27]				
	07/09/07 13:05 CST		0	Hail (1.00 in)
	07/09/07 13:05 CST		0	Source: Law Enforcement
WALWORTH COUNTY --- WILLIAMS BAY [42.58, -88.53]				
	07/09/07 13:05 CST		0	Hail (1.00 in)
	07/09/07 13:05 CST		0	Source: Trained Spotter
KENOSHA COUNTY --- KENOSHA AIRPORT [42.60, -87.92], DOWNTOWN KENOSHA [42.58, -87.83]				
	07/09/07 13:43 CST		75K	Thunderstorm Wind (MG 50 kt)
	07/09/07 14:00 CST		0	Source: Law Enforcement
Powerful thunderstorm winds toppled many trees. The hardest-hit area in the city of Kenosha was centered around 30th Ave. and 75th St. where a church steeple was knocked over by the winds. At least 4 vehicles were damaged by tree debris. Additionally, minor urban-type flooding (water up to the curb) occurred for about 30 minutes on some roads in the city of Kenosha. The gust was measured at the Kenosha Airport ASOS site, although a higher gust was possible where the church steeple was toppled. About a dozen power-lines came down on the south side of the city of Kenosha due to tree debris, leaving about 3600 customers without power.				
A weak cold front moved southeast through southern Wisconsin and several thunderstorms along the front became severe. Large hail up to 1 inch in diameter and powerful wind gusts to around 52 knots (60 mph) were produced. Dewpoints in the upper 60s to lower 70s resulted in CAPE values of 1500-2000, which was sufficient for severe storm development.				
WALWORTH COUNTY --- 1.0 E GENOA CITY [42.50, -88.31]				
	07/10/07 14:52 CST		0	Thunderstorm Wind (EG 50 kt)
	07/10/07 14:52 CST		0	Source: Post Office
Powerful thunderstorm wind gusts to 50 knots (58 mph) toppled several large trees east of Genoa City.				
KENOSHA COUNTY --- 4.0 SW BRISTOL [42.51, -88.11], BRISTOL [42.55, -88.05]				
	07/10/07 15:09 CST		0	Thunderstorm Wind (EG 50 kt)
	07/10/07 15:13 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 50 knots (58 mph) toppled several large trees in the Bristol area.				

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KENOSHA COUNTY --- 2.8 SW SOMERS [42.62, -87.94]				
	07/10/07 15:10 CST		3K	Lightning
	07/10/07 15:10 CST		0	Source: Newspaper
Lightning struck a retail store on a frontage road adjacent to Interstate 94, resulting in a minor fire.				
Yet another weak cold front moved southeast through southern Wisconsin with double-structure in terms of lines of associated storms. The first line was solid while the second line had scattered storms. Some of the storms briefly pulsed to severe limits with powerful wind gusts.				
LAFAYETTE COUNTY --- LESLIE [42.77, -90.37]				
	07/17/07 20:48 CST		0	Hail (0.75 in)
	07/17/07 20:48 CST		0	Source: Trained Spotter
LAFAYETTE COUNTY --- 2.0 W WOODFORD [42.65, -89.91]				
	07/17/07 22:02 CST		0	Hail (0.75 in)
	07/17/07 22:02 CST		0	Source: Public
Several clusters of storms embedded in west-northwest flow aloft moved across southwestern Wisconsin. Some of the storms briefly pulsed to severe limits and generated large hail. WSR-88D Doppler radar indicated that reflectivity values reached 65-70 dBZ.				
JEFFERSON COUNTY --- 2.5 NE FARMINGTON [43.11, -88.64]				
	07/26/07 04:35 CST		0	Heavy Rain
	07/26/07 08:10 CST		0	Source: Public
Three rounds of thunderstorms, spread out over about 3.5 hours, visited the same area northeast of Farmington during the morning hours, resulting in 4.6 inches of rain at one location. The heavy rains generated water depths of 1 foot in backyards, while roads only had a few inches of water cover. Several backyards in this area resembled small inland lakes for a couple hours.				
JEFFERSON COUNTY --- 2.5 NE FARMINGTON [43.11, -88.64]				
	07/26/07 04:58 CST		1K	Thunderstorm Wind (EG 43 kt)
	07/26/07 04:58 CST		0	Source: Public
Gusty winds up to an estimated 43 knots (50 mph) accompanied heavy downpours of rain northeast of Farmington. Lawn furniture was over-turned, a wooden garden structure was damaged, and a light pole was pushed over.				
DODGE COUNTY --- BEAVER DAM [43.47, -88.83]				
	07/26/07 08:05 CST		25K	Flash Flood (due to Heavy Rain)
	07/26/07 10:30 CST		0	Source: Law Enforcement
Heavy rains measured at 3.80 inches within 1 hour and 50 minutes resulted in flash flooding in and near the city of Beaver Dam. Several cars stalled in water over roads, and one driver had to be rescued by first responders. Some of the vehicles sustained water damage. Water depths on some streets reached 2 to 4 feet.				
OZAUKEE COUNTY --- FREDONIA [43.47, -87.95]				
	07/26/07 20:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	07/26/07 22:30 CST		0	Source: Law Enforcement
Heavy rains, measured at 4.5 to 5.0 inches within a couple hours, resulted in a flash flood in and near the village of Fredonia. Water depths on roads reached 1 to 3 feet. Some residents mentioned that some roads had never flooded until this event. Several gravel driveways were washed out as well as culverts.				
A series of thunderstorm cells moved south through southern Wisconsin during the mid-morning hours on July 26th. Some of these cells trained over the same area, resulting in flash flooding. During the afternoon and evening hours, the activity regenerated and shifted east to the lakeshore counties and over Lake Michigan. In one case, a west-east line of storms over Lake Michigan (east of Milwaukee to Kenosha from 1800 to 2000CST) possessed WSR-88D reflectivity values of 65-70 dBZ and hail algorithm values of 2 to 3 inches for possible hail diameter. However, no large hail reports were received from boaters that might have been on Lake Michigan. Additionally, radar showed a low-level velocity couplet on the west end of the line of storms. This velocity couplet suggested that a waterspout may have occurred. However, there were no confirming reports from the Coast Guard.				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z070) WALWORTH, (WI-Z071) RACINE				

Storm Data and Unusual Weather Phenomena - July 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/01/07 00:00 CST		0	Drought
	07/31/07 23:59 CST		1.07M	

Dry weather in mid to late June, 2007, initially evolved into a D0 drought (abnormally dry) across parts of south-central and southeast Wisconsin in July 2007. By July 24th, the drought intensified to D1 status (moderate) as the jet stream steered storm systems away from the area. D1 conditions remained through the end of the month, and actually continued to about mid-August, 2007. The corn, soybean, and alfalfa (hay) crops planted in poorer or well-drained soils had their growth affected. Yields per acre were expected to be below normal during the fall harvest season. The area affected was north of a line from the Lone Rock (LNR) Aiport (Sauk Co.) to Madison (Dane Co.) to Whitewater (Walworth Co.) to Racine (Racine Co.). What rain did fall fell mostly during three periods: July 3-4th, July 18-19th, and July 26-27th. July monthly rainfall totals were generall in the 1 to 3 inch range, with some spotty 3.5 to 4 inch amounts. Specific totals were: 1.40" at Milwaukee Mitchell Field, 1.72" in Sheboygan, 1.96" in La Valle, 2.11" in Portage, 2.21" in Ft. Atkinson, 2.69" at Madison's Truax Field, and 2.77" at the Racine Airport. Normally, rainfall totals such as these are not alarmingly low. However, other than a 7-day wet period in early June, 2007, the months of April-May-June all had below normal rainfall. Consequently, the generally below-normal rainfall amounts in July, 2007, were enough to trigger an official drought. The damage amounts indicated in this July drought event are estimates only for damage to the alfalfa (hay) crop.

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE MICHIGAN				
NORTH PT LT TO WIND PT WI COUNTY --- MILWAUKEE HARBOR [43.03, -87.97]				
	08/12/07 01:10 CST	0		Marine Thunderstorm Wind (MG 35 kt)
	08/12/07 01:10 CST	0		Source: Other Federal Agency
Thunderstorm wind gusts to 35 knots (40 mph) were measured near the Milwaukee Harbor.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- KENOSHA [42.58, -87.83]				
	08/12/07 01:30 CST	0		Marine Thunderstorm Wind (MG 40 kt)
	08/12/07 01:30 CST	0		Source: Other Federal Agency
Thunderstorm wind gusts to 40 knots (46 mph) were measured near the Kenosha Harbor.				
Leftover clusters of strong storms pushed out over Lake Michigan and generated strong wind gusts.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 0.6 NE KENOSHA [42.59, -87.82]				
	08/12/07 01:35 CST	0		Marine Thunderstorm Wind (MG 39 kt)
	08/12/07 01:35 CST	0		Source: Other Federal Agency
A thunderstorm wind gust of 39 knots (45 mph) was measured in the Kenosha harbor area.				
A line of strong thunderstorms moved out over Lake Michigan and generated strong wind gusts.				
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	08/22/07 16:30 CST	0		Marine Thunderstorm Wind (MG 37 kt)
	08/22/07 16:30 CST	0		Source: Other Federal Agency
A thunderstorm wind gust of 37 knots (43 mph) was measured near the Milwaukee harbor.				
NORTH PT LT TO WIND PT WI COUNTY --- 0.5 E CUDAHY [42.95, -87.84]				
	08/22/07 16:32 CST	0		Marine Thunderstorm Wind (EG 46 kt)
	08/22/07 16:32 CST	0		Source: Trained Spotter
An estimated thunderstorm wind gust of 46 knots (53 mph) occurred near the Milwaukee harbor.				
A short line of storms moved east out over Lake Michigan and generated strong wind gusts.				
NORTH PT LT TO WIND PT WI COUNTY --- 2.2 NE MILWAUKEE HARBOR [43.05, -87.94]				
	08/27/07 12:25 CST	0		Marine Thunderstorm Wind (MG 36 kt)
	08/27/07 12:25 CST	0		Source: Other Federal Agency
A thunderstorm wind gust of 36 knots (41 mph) was measured near the Milwaukee harbor.				
NORTH PT LT TO WIND PT WI COUNTY --- 0.5 E CUDAHY [42.95, -87.84]				
	08/27/07 12:29 CST	0		Marine Thunderstorm Wind (EG 40 kt)
	08/27/07 12:29 CST	0		Source: Trained Spotter
An estimated thunderstorm wind gust of 36 knots (41 mph) occurred near the Milwaukee harbor.				
WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 0.6 NE KENOSHA [42.59, -87.82]				
	08/27/07 13:15 CST	0		Marine Thunderstorm Wind (MG 37 kt)
	08/27/07 13:15 CST	0		Source: Other Federal Agency
A thunderstorm wind gust of 37 knots (43 mph) was measured near the Kenosha harbor.				
A line of thunderstorms moved out over Lake Michigan and generated strong wind gusts.				
WISCONSIN, Southeast				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DANE COUNTY --- BLUE MOUNDS [43.02, -89.83], 3.0 S DALEYVILLE [42.88, -89.82]				
	08/05/07 00:00 CST		20K	Heavy Rain
	08/05/07 04:00 CST		0	Source: COOP Observer
Training thunderstorms moved east-southeast across southwestern Dane County and dumped heavy rains overnight into the pre-dawn hours of August 5th. Fortunately the thunderstorms were spread out, otherwise this would have been a flash flood event. Some basement flooding was noted due to drain-backups and sump pump failures, and these homes sustained water damage to contents. Additionally, most small creeks or streams in southwestern Dane County reached bankfull or flood stage; although no problems or road closures were noted. Specific rainfall totals include 8" at a location about 2.5 miles north-northwest of Daleyville, 6.2" about 3 miles northeast of Daleyville, 5.5" at a spotter's home 1 mile east of Mount Horeb, 5.25" at a location 1 mile southwest of Montrose and 5.0" in Blue Mounds and 2 miles southwest of Verona. Refer to the Flash Flood event for Iowa County on August 5, 2007, for related details.				
GREEN COUNTY --- BELLEVILLE [42.85, -89.53], MONTICELLO [42.73, -89.58]				
	08/05/07 00:00 CST		10K	Heavy Rain
	08/05/07 04:00 CST		0	Source: COOP Observer
Training thunderstorms moved east-southeast across northern Green County and dumped heavy rains overnight into the pre-dawn hours of August 5th. Although there wasn't a flash flood event, some basement flooding was noted due to drain-backups and sump pump failures. Consequently some basement contents sustained water damage. Additionally, most small creeks or streams in northern Green County reached bankfull or flood stage; although no problems or road closures were noted. Specific rainfall totals include 5.82" at a COCORAHNS site about 2 miles east-southeast of Belleville, and 5.15" at a location 3 miles north of Monticello. Refer to the Flash Flood event for Iowa County on August 5, 2007, for related details.				
ROCK COUNTY --- EVANSVILLE [42.78, -89.30], 4.9 SE CLINTON [42.52, -88.80]				
	08/05/07 00:00 CST		10K	Heavy Rain
	08/05/07 04:00 CST		0	Source: COOP Observer
Training thunderstorms moved east-southeast across portions of Rock County and dumped heavy rains overnight into the pre-dawn hours of August 5th. Although there wasn't a flash flood event, some basement flooding was noted due to drain-backups and sump pump failures. Consequently some basement contents sustained water damage. Additionally, many small creeks or streams in Rock County reached bankfull or flood stage; although no problems or road closures were noted. Specific rainfall totals include 5.45" at a spotter's location 4.9 miles southeast of Janesville, 4.5" in Evansville, 4.22" at a co-op site in Afton, 3.72" at a co-op site in Clinton, and 3.45" in Milton. Refer to the Flash Flood event for Iowa County on August 5, 2007, for related details.				
IOWA COUNTY --- 2.0 S ARENA [43.14, -89.92], 2.5 SSE BARNEVELD [42.99, -89.88]				
	08/05/07 02:00 CST		50K	Flash Flood (due to Heavy Rain)
	08/05/07 04:00 CST		0	Source: Emergency Manager
Overnight rainfalls of 5 to over 10 inches in the Arena to Barneveld to Hollendale vicinity resulted in a low-end flash flood. One significant mudslide occurred on CTH K about 2 miles northeast of Barneveld, and a second mudslide on CTH K about 2.5 miles south of Barneveld. Soil erosion also occurred between Barneveld and about 4 miles northwest of Barneveld. CTH K was reduced to only 1-lane traffic where the two mudslides occurred (mud and trees), and large front-end loaders were needed to clear the road. Several homes had water in basements in and around Barneveld for the first time ever. A farmer 2 miles west of Barneveld measured at least 10 inches of rain (he had to empty a 5-inch raingage twice and missed some rain). A portion of Amacher Hollow Road in the rural portion of Area Township washed out when culverts filled up around Mill Creek. Water depths on that road reached 3 to 5 feet. Mill Creek also flowed over the bridge on Coon Rock Road near Demby Road. Additionally, most rivers and streams in the eastern third of Iowa County reached bankfull or flood stage for at least a few hours overnight. The Wastewater Treatment Plant in Barneveld measured 9.75 inches. Other overnight rainfall amounts include 8.98" at a UW-Madison research site on the upper East Branch Pecatonica River about 2.4 miles south-southeast of Barneveld, 8.13" about 1 mile northeast of Ridgeway, 6.92" about 4 miles north of Hollendale, 6" in Hollendale, and 3.61" about 4 miles north of Dodgeville.				
Training of thunderstorms moving east/southeast through south-central and southeast Wisconsin overnight, resulted in isolated flash floods in the vicinity of Barneveld, and some minor urban and small stream flooding elsewhere in Sauk, Dane, Rock, Green, and Lafayette counties. The rain that fell in this episode nearly saturated the ground in these counties, and set the stage for future flash flooding during the periods of August 18-19, and August 22nd. A rainfall graphic is attached to the Iowa County flash flood event for August 18-19th event in Iowa County. Synoptically, a stalled surface front extended from central Iowa to northern Illinois. Mid-level warm-air advection over the front set up a thunderstorm initiation zone that extended from southern Minnesota to south-central Wisconsin. Refer to the August 18-19, and 22nd flash flood events for related information.				
ROCK COUNTY --- EVANSVILLE [42.78, -89.30], CLINTON [42.57, -88.87]				
	08/05/07 21:00 CST		0	Heavy Rain
	08/06/07 05:00 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy thunderstorm rains resulted in minor small stream and urban street flooding across Rock County for the 2nd straight night. A minor mudslide, about 20 x 30 feet in areal coverage, occurred on the southeast side of Janesville, and temporarily threatened an apartment building. Several streets in Janesville were closed for a few hours until the water drained away. Specific 24-hour rainfall totals ending about 0600CST August 6th include 4.25" at a spotter's location 4.9 miles southeast of Janesville, 3.88" in Janesville, 3.5" just east of Brodhead, and 3.25" at co-op site in Evansville.				
Heavy rains fell once again for the 2nd night in a row over Rock County, thanks to training thunderstorms. Additional minor small stream and urban flooding was noted. Synoptically, a frontal boundary was stalled over northern Iowa into northern Illinois, which help to focus thunderstorm initiation over southern Wisconsin. The storms moved east-southeast.				
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ROCK COUNTY --- DOWNTOWN JANESVILLE [42.68, -89.02], 3.0 SE CLINTON [42.54, -88.83]	08/06/07 22:25 CST		15K	Thunderstorm Wind (EG 52 kt)
	08/06/07 22:25 CST		0	Source: Law Enforcement
One thunderstorm cell, in a cluster of cells, generated powerful winds gusts to around 52 knots (60 mph) that toppled large trees in the Janesville vicinity. At least five city streets were briefly blocked by tree debris. At one residence, several large branches came down on a home and damaged the roof and enclosed porch. The storm cluster eventually moved into Walworth County to the east and weakened. Associated lightning in the Janesville vicinity was described as impressive. Several power poles and transformers were struck by lightning, resulting in the loss of power for about 10,500 customers in Rock County and 300 customers in Walworth County.				
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ROCK COUNTY --- 1.0 S DOWNTOWN JANESVILLE [42.67, -89.02]	08/06/07 22:30 CST		25K	Lightning
	08/06/07 22:30 CST		0	Source: Newspaper
The TV antenna of a residential home was struck by lightning. The home's electrical system and appliances were fried when an electrical current traveled down from the TV antenna.				
A cluster of storms, with isolated severe cells, affected Rock County overnight. This was the 3rd straight night of thunderstorms over Rock County. Synoptically, a stall frontal boundary stretched from northern Iowa across extreme southern Wisconsin. Warm, moist air from the south overran the frontal boundary and triggered the thunderstorm cluster. Mid-level rotation was noted in the strongest cell, but nothing became of it.				
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SAUK COUNTY --- LA VALLE [43.58, -90.13]	08/11/07 22:45 CST		20K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:45 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 56 knots (65 mph) toppled many trees and power-poles/power-lines in and around La Valle.				
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SAUK COUNTY --- REEDSBURG [43.53, -90.00]	08/11/07 22:55 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/11/07 22:55 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 56 knots (65 mph) toppled many trees and power-poles/power-lines in and around Reedsburg.				
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MARQUETTE COUNTY --- OXFORD [43.78, -89.57], MONTELLO [43.80, -89.32]	08/11/07 23:05 CST		0.10M	Thunderstorm Wind (EG 56 kt)
	08/11/07 23:15 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 56 knots (65 mph) toppled many trees and power-poles/power-lines in a swath from Oxford to Montello.				
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COLUMBIA COUNTY --- 8.0 E WISCONSIN DELLS [43.63, -89.61]	08/11/07 23:12 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:12 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled several large trees and a power-pole/power-line.				
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IOWA COUNTY --- 5.0 NNW HIGHLAND [43.12, -90.42]	08/11/07 23:25 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:25 CST		0	Source: Public
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled several large trees and branches. A power-line was damaged.				
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GREEN LAKE COUNTY --- KINGSTON [43.70, -89.12]				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/11/07 23:27 CST		10K	Thunderstorm Wind (MG 52 kt)
	08/11/07 23:27 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled many trees and a couple power-poles/power-lines in and around Kingston.				
COLUMBIA COUNTY --- 2.0 E PARDEEVILLE [43.53, -89.24]				
	08/11/07 23:30 CST		5K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:30 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches. A car-port was damaged by the tree debris.				
DANE COUNTY --- 4.0 NE ROXBURY [43.29, -89.61]				
	08/11/07 23:37 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/11/07 23:37 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 56 knots (65 mph) toppled saeveral large trees and branches. A power-line was damaged.				
DODGE COUNTY --- 3.0 NE RANDOLPH [43.56, -88.96]				
	08/11/07 23:38 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:38 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches. A power-line was damaged.				
FOND DU LAC COUNTY --- 1.0 E FAIRWATER [43.75, -88.83]				
	08/11/07 23:40 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:40 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches. A power-line was damaged.				
IOWA COUNTY --- 3.0 N BARNEVELD [43.06, -89.90]				
	08/11/07 23:40 CST		2K	Thunderstorm Wind (EG 52 kt)
	08/11/07 23:40 CST		0	Source: Public
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches. A power-line was damaged.				
DANE COUNTY --- 1.0 E MT HOREB [43.00, -89.71]				
	08/11/07 23:51 CST		2K	Thunderstorm Wind (EG 56 kt)
	08/11/07 23:51 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to around 56 knots (65 mph) toppled saeveral large trees and branches. A power-line was damaged.				
DANE COUNTY --- BLACK EARTH [43.13, -89.75]				
	08/12/07 00:00 CST		1K	Lightning
	08/12/07 00:00 CST		0	Source: Newspaper
Lightning struck a blew apart a 60-foot pine tree which was about 30 feet from a residential home. Part of the generated electrical current fried the home's telephone line. The time is estimated within a plus or minus 15 minutes.				
DANE COUNTY --- 5.0 SW DOWNTOWN MADISON [43.02, -89.49], 3.0 SSW DOWNTOWN MADISON [43.03, -89.44]				
	08/12/07 00:05 CST		20K	Thunderstorm Wind (EG 52 kt)
	08/12/07 00:10 CST		0	Source: Public
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches. Several power-lines were damaged.				
GREEN COUNTY --- 10.0 WNW NEW GLARUS [42.88, -89.81]				
	08/12/07 00:08 CST		0	Thunderstorm Wind (EG 52 kt)
	08/12/07 00:08 CST		0	Source: Public
Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches.				
LAFAYETTE COUNTY --- 1.0 E BELMONT [42.73, -90.31]				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/12/07 00:20 CST		0	Thunderstorm Wind (EG 52 kt)
	08/12/07 00:20 CST		0	Source: Law Enforcement

Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches.

JEFFERSON COUNTY --- 2.0 E PALMYRA [42.88, -88.56]

08/12/07 00:41 CST	0	Thunderstorm Wind (EG 52 kt)
08/12/07 00:41 CST	0	Source: NWS Employee

Powerful thunderstorm wind gusts to around 52 knots (60 mph) toppled saeveral large trees and branches.

Pre-frontal clusters of thunderstorms became severe with powerful straight-line winds as they moved east-southeast at anywhere from 35 to 45 knots (40 to 52 mph) to the east-southeast.

DANE COUNTY --- 3.0 ESE CROSS PLAINS [43.10, -89.58]

08/14/07 01:08 CST	0	Hail (0.75 in)
08/14/07 01:08 CST	0	Source: Trained Spotter

DANE COUNTY --- FITCHBURG [42.95, -89.47]

08/14/07 01:15 CST	0.35M	Lightning
08/14/07 01:15 CST	0	Source: Newspaper

Lightning struck a residential home. The resultant fire severely damaged the home.

DANE COUNTY --- DOWNTOWN MADISON [43.07, -89.42]

08/14/07 01:25 CST	10K	Lightning
08/14/07 01:25 CST	0	Source: Newspaper

Lightning struck a business structure. The resultant fire caused minor exterior damage and barely any interior damage.

GREEN COUNTY --- 2.0 E DAYTON [42.82, -89.46], ALBANY [42.70, -89.43]

08/14/07 01:30 CST	20K	Thunderstorm Wind (EG 60 kt)
08/14/07 01:40 CST	0	Source: Law Enforcement

Powerful thunderstorm wind gusts to an estimated 61 knots (70 mph) toppled many large trees and damaged several power-lines.

IOWA COUNTY --- 2.0 NNW COBB [43.00, -90.35]

08/14/07 01:55 CST	2K	Thunderstorm Wind (EG 52 kt)
08/14/07 01:55 CST	0	Source: Law Enforcement

Powerful thunderstorm wind gusts to an estimated 52 knots (60 mph) toppled several large trees and damagaed a power-line.

LAFAYETTE COUNTY --- 6.0 NW LAMONT [42.76, -90.06]

08/14/07 02:25 CST	2K	Thunderstorm Wind (EG 52 kt)
08/14/07 02:25 CST	0	Source: Law Enforcement

Powerful thunderstorm wind gusts to an estimated 52 knots (60 mph) toppled several large trees and damagaed a power-line.

DANE COUNTY --- 1.0 E FITCHBURG [42.95, -89.45]

08/14/07 02:40 CST	15K	Lightning
08/14/07 02:40 CST	0	Source: Newspaper

Lightning struck a residential home and damaged its roof, electrical system and telephone line.

KENOSHA COUNTY --- BRIGHTON [42.63, -88.10]

08/14/07 04:30 CST	40K	Lightning
08/14/07 04:30 CST	0	Source: Newspaper

Lightning struck a gas-line meter on the side of a residential home. The resultant fire damaged the living room and attic.

A pre-dawn thunderstorm convective complex developed over the Northern Plains and moved southeast across southern Wisconsin. Some thunderstorm cells were severe with downburst winds. The complex was associated with an upper-level short-wave trough, while at the surface a warm front extended through northern Illinois back to a low pressure over the Dakotas.

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAFAYETTE COUNTY --- DARLINGTON [42.68, -90.12], 7.5 N ARGYLE [42.81, -89.87]				
	08/18/07 22:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/19/07 00:00 CST		0.50M	Source: Law Enforcement
Flash flooding occurred in scattered locations between the northwest side of Darlington to the extreme northeast corner of Lafayette County. Just northwest of Darlington, a road was closed due to fast flowing water covering the road to a depth of 1 to 2 feet. Just east of Blanchardville, CTH H was closed due to fast-flowing water covering that road to a depth of 1 to 2 feet. Some mudslides, soil erosion, and crop losses were also noted. At least 20 homes had some water damage to basement contents. WSR-88D Doppler overnight rainfall estimates ranged from around 2 inches over the southern part of the county to 5 to 6 inches over the northern half.				
DANE COUNTY --- MAZOMANIE [43.17, -89.78], ALBION [42.88, -89.07]				
	08/18/07 23:00 CST		6.80M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		5M	Source: Law Enforcement
Although general flooding affected all of Dane County, significant flash flooding affected the community areas of Mt. Horeb, Oregon, Sun Prairie, and Dane. At least 798 homes in Dane County sustained water damage to basement contents and/or basement walls, with damage totals of about \$3.96 million. Thirteen homes had major water damage and two were destroyed, while 783 had minor damage. At least 10 businesses reported minor water damage totaling about \$380,000. Crop losses were an estimated \$5 million. Livestock losses were about \$200,000, and farm building losses were about \$500,000. Additionally, road damages were about \$538,000, water control facility damage was about \$320,000, public building damage was about \$288,000, public utility damage was about \$124,000, and other public property damage was about \$37,000. Not included in property or crop losses were debris clearance costs of \$197,000 and protective measures of \$258,000. A bridge on CTH Y just north of Mazomanie was undermined and damaged by the flood waters and will need to be replaced. Water depths on STH 69 south of Verona reached 3 to 4 feet. Several gravel shoulder washouts occurred and crops across the county were damaged. Soil erosion and crop damage was reported. The water level on Lake Mendota rose to within 1 foot of it's record maximum level. The water level on Lake Monona came within 0.02 feet of it's record maximum level. Rainfall rates were impressive - a spotter near Oregon measured 2.1" of rain between 2000 and 2100CST on August 18th. In Morrisonville, a spotter measured 7.07" overnight through 1700CST on August 19th. Overnight through 0245CST, 4.40" was measured by a coop observer 3NNE Sun Prairie with water overflowing most roads in that area. Also, water was reported in many basements in the Sun Prairie area. A spotter measured 6.39" overnight in DeForest. At a location 1SE Verona, 5.59" fell overnight through 0122CST. The Stoughton coop observer had 6.03" overnight. In Oregon a spotter measured 5.45" overnight. For comparison, locations in Dane County normally receive about 4 to 4.25 inches of rain in the entire month of August.				
SAUK COUNTY --- LIMERIDGE [43.47, -90.15], SPRING GREEN [43.18, -90.07]				
	08/18/07 23:00 CST		0.30M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		4M	Source: Law Enforcement
Although general flooding affected all of Sauk County, significant flash flooding affected the west-central part of the county around Limeridge down to Spring Green. Water depths on CTH K, G, S, TS, and STH 154 in the Limeridge to Hill Point area reached 3 to 4 feet. Gravel shoulder washouts occurred and crops across the county were damaged. It was noted that water entered the basements of many homes in the county. Nine homes in Rock Springs were severely damaged, and water came close to 2nd floor of some homes! Elsewhere, 41 had minor damage and 4 had major damage which involved damage to basement walls (total of \$250,000 in damage). Two businesses had minor flood damage (\$2,000). Livestock losses of \$22,000 were reported, and crop losses were estimated at about \$3 million for corn and \$1 million for soybeans and alfalfa. Winter rye that was cut prior to the heavy rains will be unusable (\$300,000). A major washout occurred on Denzer Rd. where it crosses the East Branch Honey Creek. Another major washout on Boot Jack Rd. about 2.5 ESE of Valton. A small section of a dam at Cazenovia was loosened, but held (about \$10,000 in damage). All of the excessive rain ultimately resulted in the Baraboo River at Rock Springs reaching major flood status. At this location the river rose to the 18.5' flood stage at 0922CST on August 19th, crested at 21.37' at 0900CST on August 21st, and fell below flood stage at 2348CST on August 24th. At a spotter location 1NNE Reedsburg, 5.11" was measured overnight, and 5.25" was measured in LaValle.				
August, 2007, rainfall totals include: 14.73" in Baraboo, 13.42" in La Valle, 16.91" in Prairie du Sac, 15.92" in Reedsburg, and 14.82" at the Lone Rock Airport.				
JEFFERSON COUNTY --- LAKE MILLS [43.08, -88.90], JEFFERSON [43.00, -88.80]				
	08/19/07 00:45 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		0.50M	Source: Law Enforcement
Flash flooding affected a swath of Jefferson County from the Lake Mills area to the city of Jefferson after 3 to 6 inches of rain fell overnight. Shorewood Road near Lake Mills was closed where a retention pond overflowed and flooded the road with water 2 to 3 feet deep. Most low roads in county had water over them. Bark River Road in Fort Atkinson was closed. Some soil erosion and crop damage was noted in the surrounding countryside. At least 10 homes sustained minor flood damage to basement contents, and at least 3 businesses had minor damage. Some gravel shoulder washouts were also noted. At a location 3.6WNW Lake Mills, 5.23" of rain was measured overnight through 0145CST on August 19th. It was noted that peak rainfall rates at this location reached 2.98 " in 2.3 hours. Ultimately , the CoCORaHS observer at this location measured 6.04" by 1000CST on August 19th. A City of Jefferson spotter measured 5.50" overnight. In the extreme southeast corner of the county, a NWS employee measured 3.81".				
COLUMBIA COUNTY --- OKEE [43.35, -89.58], LODI [43.32, -89.52]				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/19/07 01:00 CST		0.75M	Flash Flood (due to Heavy Rain)
	08/19/07 05:00 CST		0.80M	Source: Law Enforcement
<p>Significant flash flooding affected the southwest half of Columbia County, especially from the Okee area near Lake Wisconsin/Wisconsin River over to the Lodi area. Several landslides were noted in the Civil Town of West Point area along the Wisconsin River. A pavement washout closed STH 188 in the Civil Town of West Point. Water depths on STH 188 reached 2 to 4 feet. A small pier on Lake Wisconsin was washed out by the fast flowing drainage water coming in from the countryside. A private road about 2.5 miles northeast of Harmony Grove had a washout. Gravel shoulder washouts occurred on several other roads (\$50,000 damage) and crops across the southwest part of the county were damaged. Fifty-five residential homes sustained minor damage to basement contents, and 2 homes were destroyed by the flood waters. Three businesses sustained minor flood damage.</p>				
<p>August, 2007, rainfall totals include: 11.33" at the Arlington Farm, 15.18" in Lodi, and 14.70" 7WNW Poynette (near the Wisconsin River).</p>				
WALWORTH COUNTY --- SHARON [42.50, -88.73], EAST TROY [42.78, -88.40]				
	08/19/07 01:15 CST		0.15M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		0	Source: Law Enforcement
<p>Low-end flash flooding affected scattered parts of Walworth County. Areas affected were the city of Lake Geneva, the village of Sharon, the town of Lyons, and the Town of Spring Prairie. Overnight rainfall amounts on top of a nearly saturated ground ranged from around 3 inches over the southern parts of the county to 4 to 6 inches over the northern parts, based on WSR-88D doppler estimates. Water depths on some roads in low spots reached 2 to 4 feet, and significant soil erosion was noted in the surrounding countryside. At least 20 homes sustained minor flood damage to basement contents. Altogether, residential damage was estimated at \$31,000. Gravel shoulder washouts on some roads will require an estimated \$19,500 to repair. The Sharon Department of Public Works sewer pumps were damaged by flood waters, and repair costs are estimated at \$6,200. No major crop losses were reported. At a location 4ENE East Troy, 5.83" was measured overnight.</p>				
WAUKESHA COUNTY --- MUKWONAGO [42.87, -88.33]				
	08/19/07 01:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/19/07 05:00 CST		0.20M	Source: Law Enforcement
<p>Flash flooding affected the Mukwanago area after heavy rains of 6.8 inches fell overnight. Water depths on some city streets reached 2 to 4 feet, and significant soil erosion was noted in the surrounding countryside. At least 25 homes sustained minor flood damage to basement contents. Gravel shoulder washouts occurred and crops in the area were damaged. To the west, a spotter at a location .6SE Eagle had 4.76" overnight.</p>				
KENOSHA COUNTY --- 3.0 W BRIGHTON [42.63, -88.16], DOWNTOWN KENOSHA [42.58, -87.83]				
	08/19/07 01:45 CST		0.20M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		0.30M	Source: Law Enforcement
<p>Flash flooding affected a broad swath of Kenosha County from the northwest corner to the city of Kenosha after heavy rains fell overnight on top of a nearly saturated ground. Fast-flowing water depths on some roads in low spots reached 2 to 3 feet, and significant soil erosion was noted in the surrounding countryside, as well as some crop damage. At least 25 homes sustained minor flood damage to basement contents, and at least 5 businesses had major damage. Gravel shoulder washouts occurred and some crops in the area were damaged. Significant street flooding was reported in the city of Paddock Lake, in the Village of Salem, in the Village of Somer, as well as on CTH KR and CTH H. At least 100 homes had flood damage to basement contents. Overnight rainfall amounts, based on WSR-88D Doppler radar estimates, ranged from around 2 inches over the southern part of the county to around 4 inches across the northern parts.</p>				
RACINE COUNTY --- TICHIGAN [42.83, -88.22], DOWNTOWN RACINE [42.72, -87.80]				
	08/19/07 01:45 CST		0.47M	Flash Flood (due to Heavy Rain)
	08/19/07 04:00 CST		1.90M	Source: Law Enforcement
<p>Flash flooding affected a broad swath Racine County from the northwest corner to the city of Racine after 3 to 5 inches of rain fell overnight (WSR-88D doppler radar estimates. Water depths on some roads in low spots reached 3 to 4 feet, and significant soil erosion was noted in the surrounding countryside. At least 40 homes sustained minor flood damage to basement contents, and at least 10 had major damage (total of \$300,000). Gravel shoulder washouts occurred (\$170,000 damage) and some crops in the area were damaged (\$400,000). Ten sod farms had minor to major damage due to flood waters and erosion (\$1.5 million in crop losses). All of the excessive rain ultimately resulted in the Root River Canal at Raymond to reach record flood status. At this gage site the river rose to the 9' flood stage at 0352CST on August 19th, crested at 11.66' at 0215CST on August 21st, and fell below flood stage at 0622CST on August 26th. The Fox River at new Munster reached major flood status. At this gage site the river rose to the 10' flood stage at 1127CST on August 19th, crested at 14.96' at 0815CST on August 24st, and remained above flood stage through the end of the month. A spotter at a location 2NE Sturtevant measured 4.8" overnight.</p>				
GREEN COUNTY --- DAYTON [42.82, -89.50], BRODHEAD [42.62, -89.37]				
	08/19/07 02:00 CST		0.40M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.60M	Source: Newspaper

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flash flooding occurred in scattered locations between the northeast corner around Dayton down to the Brodhead area. Fast-flowing water of depths to 1 to 2 feet covered several roads in this area. In the Civil Town of Decatur, CTH F and CTH E were closed. In the Civil Town of Albany, Tin Can road between Zurluh and CTH EE, CTH X at River Bridge, and River Road were closed. Some mudslides, soil erosion, and crop losses were also noted. At least 100 homes had some water damage to basement contents. WSR-88D Doppler overnight rainfall estimates ranged from around 3 inches over the southwest corner of the county to 5 to 6 inches over the northeast corner.				
IOWA COUNTY --- AVOCA [43.18, -90.52], ARENA [43.17, -89.92]				
	08/19/07 02:00 CST		0.20M	Flash Flood (due to Heavy Rain)
	08/19/07 06:00 CST		0.50M	Source: Law Enforcement
Significant flash flooding affected the northern half of Iowa County, especially in the Avoca and Arena areas. Fast flowing water of 1 to 3 feet was reported in those two communities and first responders built berms around Avoca. Water depths on STH 133 reached 2 to 4 feet. Sandbagging efforts in Avoca prevented major damage, however 4 homes in Avoca had water in basements. Ten roads in the Civil Town of Arena were closed. The basement of the County Sheriff building flooded out with a fair amount of water damage to contents. Several gravel shoulder washouts occurred and crops across the northern part of the county were damaged due to erosion. Overall, at least 20 homes sustained minor flood damage to basement contents. Additionally, a sump pump overflow occurred in the Iowa County Social Services Building in Dodgeville, resulting in minor water damage to basement contents. Rainfall amounts overnight, based on WSR-88D Doppler radar estimates, ranged from 3 to 4 inches over the southeast corner of the county to 8 to 9 inches along the Wisconsin river near Avoca. Unofficially there were reports of 10 inch amounts near Avoca.				
ROCK COUNTY --- EVANSVILLE [42.78, -89.30], 3.0 E MILTON [42.77, -88.89]				
	08/19/07 11:00 CST		0.15M	Heavy Rain
	08/19/07 18:00 CST		50K	Source: Law Enforcement
Urban and small stream flooding occurred across the northern third of Rock County after 3 to 4 inches of rain fell overnight. Water depths on roads reached a foot, especially in the Evansville and Edgerton areas, however no roads were closed. Reports indicated that the flood waters were not fast flowing, nor did they pose a danger to the public. Some crop damage was noted. Overnight rainfall of 6.4 inches were measured by a spotter in Edgerton. Local residents near Badfish Creek, west of Cooksville, noted that this creek flooded and merged with Frog Pond Creek and the water was 3.5 feet deep between the creeks.				
Significant flash flooding affected parts of south-central and southeast Wisconsin during the overnight hours of August 18th into the pre-dawn hours of August 19th, in a roughly 75-mile wide band from the Iowa-Sauk County border through Dane County to Racine and Kenosha Counties. The flash flooding was the result of very heavy overnight rains from August 18th into August 19th, ranging from 4 to 7 inches (roughly one or two summer month's worth of rain in 24-hours). However, WSR-88D Doppler radar rainfall estimates ranged up to 8 to 9 inches in parts of Sauk, Dane, and Iowa County. These rainfall amounts in such a short period of time only occur once in 100 to 200 years. A graphic of WFO MKX's WSR-88D Doppler radar rainfall estimate is attached to the Flash Flood event for Dane County. Many rivers and streams exceeded flood stage by 1 to 5 feet, and some would remain above flood stage through the end of August, 2007, through the first week of September, 2007. Synoptically, a stalled surface frontal boundary stretched from northern Iowa through northern Illinois, while warm, moist air flowed north up and over the boundary. Just north of the surface boundary was a nearly stationary, thunderstorm initiation zone near the Minnesota/Iowa border. The resultant rounds of storms moved southeast across southern Wisconsin and repeatedly traversed over the same areas. Additional severe flash flooding extended northwest into Vernon, Crawford, and La Crosse Counties and northeast portions of the state of Iowa. Refer to StormData events from those areas for related information.				
SAUK COUNTY --- IRONTON [43.55, -90.13]				
	08/21/07 23:20 CST		0.10M	Thunderstorm Wind (MG 61 kt)
	08/21/07 23:20 CST		0.25M	Source: Law Enforcement
Powerful thunderstorm wind gusts to 61 knots (70 mph) toppled many trees and damaged several power-lines. Some corn fields in the surrounding countryside were flattened by the winds.				
IOWA COUNTY --- 4.0 E AVOCA [43.18, -90.44]				
	08/21/07 23:25 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	08/21/07 23:25 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 65 knots (75 mph) toppled many trees and damaged several power-lines.				
SAUK COUNTY --- REEDSBURG [43.53, -90.00]				
	08/21/07 23:30 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	08/21/07 23:30 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 65 knots (75 mph) toppled many trees and damaged several power-lines.				
IOWA COUNTY --- 3.0 S ARENA [43.13, -89.92]				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/21/07 23:40 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/21/07 23:40 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 56 knots (65 mph) toppled many trees and damaged several power-lines.				
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SAUK COUNTY --- LAKE DELTON [43.58, -89.78]				
	08/21/07 23:40 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	08/21/07 23:40 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 65 knots (75 mph) toppled many trees and damaged several power-lines.				
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LAFAYETTE COUNTY --- 3.0 NW BELMONT [42.76, -90.37]				
	08/22/07 00:02 CST		25K	Thunderstorm Wind (EG 52 kt)
	08/22/07 00:02 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 52 knots (60 mph) toppled several large trees and damaged several power-lines.				
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COLUMBIA COUNTY --- PORTAGE [43.55, -89.45]				
	08/22/07 00:12 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/22/07 00:12 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 56 knots (65 mph) toppled many trees and damaged several power-lines.				
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COLUMBIA COUNTY --- RIO [43.45, -89.23]				
	08/22/07 00:21 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/22/07 00:21 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 56 knots (65 mph) toppled many trees and damaged several power-lines.				
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DANE COUNTY --- 1.0 N SUN PRAIRIE [43.19, -89.20]				
	08/22/07 00:25 CST		0	Hail (0.75 in)
	08/22/07 00:25 CST		0	Source: Trained Spotter
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DANE COUNTY --- 1.0 N SUN PRAIRIE [43.19, -89.20]				
	08/22/07 00:25 CST		50K	Thunderstorm Wind (MG 53 kt)
	08/22/07 00:25 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts to 53 knots (61 mph) toppled many trees and damaged several power-lines.				
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COLUMBIA COUNTY --- CAMBRIA [43.55, -89.10]				
	08/22/07 00:34 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/22/07 00:34 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 56 knots (65 mph) toppled many trees and damaged several power-lines.				
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DANE COUNTY --- OREGON [42.93, -89.38]				
	08/22/07 00:35 CST		50K	Thunderstorm Wind (EG 52 kt)
	08/22/07 00:35 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts to 52 knots (60 mph) toppled many trees and damaged several power-lines.				
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WAUKESHA COUNTY --- WATERVILLE [43.02, -88.43]				
	08/22/07 01:00 CST		0.20M	Lightning
	08/22/07 01:00 CST		0	Source: Newspaper

Lightning struck the roof of a church, started a fire, and damaged the church's sound system, computer system, and natural gas lines. An automated fire-sprinkler system limited the amount of fire damage.

Short lines of severe thunderstorms moved east-northeast through south-central and southeast Wisconsin during the overnight hours. Some cell movement exceeded 43 kts (50 mph) to the east. Powerful downburst winds reached hurricane-force at 64 knots or higher (74 mph+), resulting in considerable tree and power-line damage. Synoptically, a stationary front stretched from northern Iowa to northern Illinois. Warm, moist, unstable air flowed north over the front in association with an upper-level short-wave trough, resulting in thunderstorm generation.

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WAUKESHA COUNTY --- OCONOMOWOC [43.12, -88.48]				
	08/22/07 15:42 CST		25K	Thunderstorm Wind (EG 52 kt)
	08/22/07 15:42 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines.				
WASHINGTON COUNTY --- 1.0 NE HARTFORD [43.33, -88.37]				
	08/22/07 15:48 CST		25K	Thunderstorm Wind (EG 56 kt)
	08/22/07 15:48 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged some power-lines.				
DODGE COUNTY --- 3.0 E ASHIPUN [43.22, -88.46]				
	08/22/07 15:55 CST		25K	Thunderstorm Wind (MG 56 kt)
	08/22/07 15:55 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged some power-lines.				
WASHINGTON COUNTY --- 6.5 S HARTFORD [43.23, -88.38]				
	08/22/07 15:57 CST		25K	Thunderstorm Wind (MG 58 kt)
	08/22/07 15:57 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 58 knots (68 mph) toppled several large trees and damaged some power-lines.				
DODGE COUNTY --- BEAVER DAM [43.47, -88.83], HORICON [43.45, -88.63]				
	08/22/07 16:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/22/07 19:00 CST		0.20M	Source: Law Enforcement
Heavy rain from thunderstorms resulted in scattered flash flood conditions in the Beaver Dam to Horicon area. Fast-flowing water depths of 1 to 2 feet were reported, as well as basement flood damage in about 20 homes. Sandbagging occurred in Beaver Dam. There were reports of soil erosion and some crop damage.				
JEFFERSON COUNTY --- LAKE MILLS [43.08, -88.90], WATERTOWN [43.20, -88.72]				
	08/22/07 16:00 CST		50K	Flash Flood (due to Heavy Rain)
	08/22/07 21:00 CST		0.20M	Source: Law Enforcement
Flash flooding occurred in the Lake Mills to Watertown area due to repeated thunderstorms with heavy rains on top of a saturated ground. Numerous roads were covered with fast-flowing water depths of 6 inches to 1 foot. Hourly rainfall rates were 1.5 to 2 inches based on WSR-88D Doppler radar estimates. Soil erosion and crop damage also occurred on several other farms in that area. Additionally, a few basements had water damage to contents. Most creeks and streams in the area exceeded flood stage by one to 2 feet.				
August, 2007, rainfall totals include: 10.64" in Ft. Atkinson, 12.68" in Jefferson, 17.75" in Lake Mills, 14.39" in Watertown, 12.54" in Waterloo, and 12.78" at the NWS office 3.8SE of Sullivan.				
WAUKESHA COUNTY --- SUSSEX [43.13, -88.22], BROOKFIELD [43.07, -88.15]				
	08/22/07 16:01 CST		75K	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:01 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines in the area from Sussex to Pewaukee to Brookfield.				
WASHINGTON COUNTY --- 6.5 S HARTFORD [43.23, -88.38]				
	08/22/07 16:05 CST		25K	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:05 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines.				
DANE COUNTY --- DOWNTOWN MADISON [43.07, -89.42], SUN PRAIRIE [43.18, -89.20]				
	08/22/07 16:15 CST		50K	Flash Flood (due to Heavy Rain)
	08/22/07 21:00 CST		0.20M	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flash flooding occurred due to repeated thunderstorms with heavy rains on top of a saturated ground. From Madison to Sun Prairie many roads had fast-flowing water depths of 6 inches to 1 foot, and several were closed. Sandbagging also took place to control the flash flooding. A 1-hour rainfall total of 2.26 inches was measured by a spotter in Madison. Soil erosion and crop damage also occurred on several other farms in that area. Additionally, a few basements had water damage to contents.				
August, 2007, rainfall totals include: 15.18" at Madison Truax Field, 14.58" at the UW-Charmany Farm, 14.92" at mazomanie, 14.43" in Middleton, 18.48" near Mt. Horeb, 16.37" in Stoughton, 15.74" in Sun Prairie, and 13.49" at the UW Arboretum. Up to 20" may have fallen in the southwest corner.				
DODGE COUNTY --- WATERTOWN [43.20, -88.72], RUBICON [43.33, -88.47]				
	08/22/07 16:15 CST		0.20M	Flash Flood (due to Heavy Rain)
	08/22/07 20:00 CST		0.40M	Source: Law Enforcement
Heavy rain from thunderstorms resulted in scattered flash flood conditions in the Watertown to Rubicon area. Fast-flowing water depths of 1 to 2 feet were reported, as well as basement flood damage in about 50 homes. Several homes had water flowing in through windows as well as through wall cracks. There were reports of soil erosion and some crop damage. A resident on north side of Watertown picked up 1.84" of rain in 28 minutes, and a total of 3.22 inches from 4 pm to 520 pm.				
MILWAUKEE COUNTY --- BROWN DEER [43.17, -87.97], GREENDALE [42.93, -88.00]				
	08/22/07 16:15 CST		25K	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:20 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines.				
OZAUKEE COUNTY --- GRAFTON [43.32, -87.95], MEQUON [43.22, -87.98]				
	08/22/07 16:15 CST		30K	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:25 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines.				
WAUKESHA COUNTY --- HARTLAND [43.10, -88.35], DOWNTOWN WAUKESHA [43.02, -88.22]				
	08/22/07 16:15 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/22/07 21:00 CST		0.20M	Source: Law Enforcement
Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in scattered flash flooding from the Hartland area to the City of Waukesha. Many roads in this area had at least 6 inches to 1 foot of fast flowing water covering them. At least a couple dozen homes in this area had basement flooding and sewage backups and needed to be pumped out. A vehicle got stuck in 3 to 4 feet deep the flood waters in the Village of Pewaukee, where sandbagging took place. Soil erosion and crop damage was also noted.				
August, 2007, rainfall totals include: 10.72" in Oconomowoc, and 9.62" in Waukesha. In Milwaukee County, Milwaukee Mitchell Field measured 7.92" for the month, which makes August, 2007 the 4th wettest August in Milwaukee.				
MILWAUKEE COUNTY --- GREENFIELD [42.95, -88.00]				
	08/22/07 16:28 CST		15K	Thunderstorm Wind (EG 52 kt)
	08/22/07 16:28 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged some power-lines.				
WASHINGTON COUNTY --- 3.0 NE HARTFORD [43.35, -88.34]				
	08/22/07 16:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/22/07 21:00 CST		0.50M	Source: Newspaper
Heavy rain from thunderstorms resulted in flash flood conditions northeast of Hartford. Rainfalls of 2 to 3 inches were measured in the area. A flower farm reported substantial damage amounts due to the heavy rains, with some small hail adding insult. Soil erosion and crop damage also occurred on several other farms in that area. in the Watertown to Rubicon area. Fast-flowing water depths of 6 inches to 1 foot were also reported on a couple roads. Additionally, a few basements had water damage to contents.				
MILWAUKEE COUNTY --- 3.0 E MILWAUKEE TIMMERMAN AIRPORT [43.12, -87.97]				
	08/22/07 16:31 CST		25K	Thunderstorm Wind (MG 68 kt)
	08/22/07 16:31 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 68 knots (78 mph) toppled several large trees and damaged some power-lines.				
MILWAUKEE COUNTY --- 1.0 W SHOREWOOD [43.10, -87.90]				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/22/07 17:03 CST		15K	Thunderstorm Wind (EG 56 kt)
	08/22/07 17:10 CST		0	Source: Trained Spotter
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged some power-lines.				
IOWA COUNTY --- MINERAL PT [42.85, -90.18]				
	08/22/07 17:07 CST		15K	Thunderstorm Wind (EG 56 kt)
	08/22/07 17:07 CST		0	Source: Law Enforcement
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged some power-lines.				
GREEN COUNTY --- 2.0 SW JORDAN [42.63, -89.81]				
	08/22/07 17:35 CST		10K	Thunderstorm Wind (EG 52 kt)
	08/22/07 17:35 CST		0	Source: Emergency Manager
Powerful thunderstorm wind gusts up to 52 knots (60 mph) toppled several large trees and damaged a couple power-lines.				
GREEN COUNTY --- 4.2 SW MONTICELLO [42.69, -89.64]				
	08/22/07 17:46 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/22/07 17:46 CST		0	Source: Emergency Manager
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged a couple power-lines.				
GREEN COUNTY --- 5.0 W NEW GLARUS [42.82, -89.73]				
	08/22/07 17:48 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/22/07 17:48 CST		0	Source: Newspaper
Powerful thunderstorm wind gusts up to 65 knots (75 mph) toppled several large trees and damaged several power-lines. A large pine tree 100 feet tall was snapped at the 10 foot level.				
DANE COUNTY --- OREGON [42.93, -89.38]				
	08/22/07 18:00 CST		50K	Flash Flood (due to Heavy Rain)
	08/22/07 21:30 CST		0.20M	Source: Law Enforcement
Flash flooding occurred in the Oregon vicinity due to repeated thunderstorms with heavy rains on top of a saturated ground. In Oregon, numerous roads were covered with fast-flowing water depths of 6 inches to 1 foot. Sandbagging also took place to control the flash flooding. Hourly rainfall rates were 1.5 to 2 inches based on WSR-88D Doppler radar estimates. Soil erosion and crop damage also occurred on several other farms in that area. Additionally, a few basements had water damage to contents. All creeks and streams around Oregon were two to three feet above flood stage.				
ROCK COUNTY --- EVANSVILLE [42.78, -89.30], DOWNTOWN JANESVILLE [42.68, -89.02]				
	08/22/07 18:15 CST		0.50M	Flash Flood (due to Heavy Rain)
	08/22/07 21:00 CST		0.50M	Source: Law Enforcement
Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in scattered flash flooding from the Evansville area to the Janesville vicinity. Water damage to basement contents and/or basement walls, as well as fast-flowing water depths of 6 inches to 1 foot on roads, were reported in the Civil Towns of Avon, Fulton, Magnolia, Union, and Plymouth. Some soil erosion, gravel washouts, and crop damage were noted. Badfish Creek and Allen Creek just east and northeast of Evansville exceeded flood stages by 3 to 5 feet and overflowed adjacent roads.				
August, 2007, rainfall totals include: 17.39" at Afton, 13.15" in Beloit, 16.24" in Clinton, 15.22" in Milton, and over 17" in Janesville.				
IOWA COUNTY --- MINERAL PT [42.85, -90.18]				
	08/22/07 18:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/22/07 19:45 CST		0.10M	Source: Law Enforcement
Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in a flash flood event in hilly Mineral Point. Fast-flowing water quickly flooded the city's streets to a depth of 6 inches to 2 feet. One residential home's driveway was washed out by the flood waters. A few homes in the city sustained water damage to basement contents. Some soil erosion and crop damage were noted in the surrounding countryside.				
August, 2007, rainfall totals include: 20.12" in Dodgeville, and an unofficial 25" at a location 2W of Barneveld.				
RACINE COUNTY --- STURTEVANT [42.70, -87.90], 2.0 SW DOWNTOWN RACINE [42.70, -87.83]				
	08/22/07 18:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/22/07 23:00 CST		0.10M	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in flash flooding from the Sturtevant area into the city of Racine. Fast-flowing water reached depths of 6 inches to 2 feet on several roads. The following roads were closed: Intersection of CTH X and Southwood Drive, Intersection of STH 11 and STH 32, and intersection of CTH H and CTH KR. At least a couple dozen homes had water damage to basement contents, or sewage backups. Some soil erosion and minor crop damage were noted in the area.

August, 2007, rainfall totals include: 11.47" in Burlington, 11.58" in Racine, 11.04" at the Racine Airport, 12.41" in Union Grove, and 13.75" in Waterford.

WALWORTH COUNTY --- WHITEWATER [42.83, -88.73], GENOA CITY [42.50, -88.33]

08/22/07 18:30 CST	0.15M	Flash Flood (due to Heavy Rain)
08/22/07 23:00 CST	0.20M	Source: Law Enforcement

Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in scattered flash flood events across the entire county of Walworth. Fast-flowing water reached depths of 6 inches to 2 feet at the following locations: STH 11 just east of STH 89 (about 3N of Darien), Plank Road just northeast of Elkhorn, Highway 12 and Potter Road, CTH L near East Troy, and several roads around Richmond. Johnson Creek and Turtle Creek areas between Richmond and I-43 exceeded flood stage. At least a couple dozen homes had water damage to basement contents, or sewage backups. Two basement walls of a home in the Civil Town of Lafayette, or about 2 miles east-northeast of Elkhorn, collapsed. Some soil erosion and minor crop damage were noted in the county. A couple minor landslides occurred along the shoreline of Geneva Lake.

August, 2007, rainfall totals include: 12.83" in Genoa City, and 12.67" in Whitewater.

GREEN COUNTY --- BROWNTOWN [42.58, -89.82], 6.0 ENE DAYTON [42.85, -89.39]

08/22/07 19:00 CST	0.40M	Flash Flood (due to Heavy Rain)
08/22/07 21:30 CST	1M	Source: Law Enforcement

Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in another round of scattered flash flooding across Green County. At least another 150 residents sustained water damage to basement contents and/or basement walls. Two homes in Browntown had basements on the verge of collapsing. One farm home near Brooklyn had 5 feet of water in the basement and the basement walls cracked. Two silos on the same property had cracking due to water accumulation. In the city of Brodhead, a sink hole developed which resulted in the sewer system collapsing at that location. Road damages (gravel washouts or culverts) were scattered around the county, and totaled 91,000. Several roads were closed over the eastern third of the county due to either fast-flowing water or high water levels. Many other roads across the county had at least 6 inches to 1 foot of fast flowing water covering them. About 20 homes in Albany had basement flooding and sewage backups and needed to be pumped out. In some cases water depths were almost to the basement ceiling! Several homes and businesses in New Glarus had sewage backups. A home on CTH Y near Monroe had a partial collapse of two basement walls. A mudslide occurred on CTH M just south of Jordan Center. Soil erosion and crop damage was also noted. Refer to the August 18-19, 2007, Flash Flood event for Green County for related information.

August, 2007, rainfall totals include: 15.57" at Brodhead, 15.43" in Monroe, and 20.20" in New Glarus.

KENOSHA COUNTY --- 3.0 N WHEATLAND [42.64, -88.20], 3.0 N BRISTOL [42.59, -88.05]

08/22/07 19:00 CST	0.10M	Flash Flood (due to Heavy Rain)
08/22/07 23:00 CST	0.30M	Source: Law Enforcement

Several rounds of thunderstorms with heavy rains on top of a saturated ground resulted in flash flooding from the Sturtevant area into the city of Racine. STH 50 between STH 75 and STH 83 was closed in several spots due to water depths of 3 to 5 feet. Some local residents indicated that this was the highest water levels they've ever seen. The Fox River and Des Plaines river exceeded flood stage. Sandbagging occurred and a berm was built in Wheatland. At least a couple dozen homes had water damage to basement contents, or sewage backups. Some soil erosion and crop damage were noted in the area.

August, 2007, rainfall totals include: 11.50" in Kenosha, 10.78" at the Kenosha Airport, 9.96" in Paddock Lake, and 12.18" in Twin Lakes.

LAFAYETTE COUNTY --- 1.0 S SHULLSBURG [42.56, -90.23]

08/22/07 19:00 CST	50K	Flash Flood (due to Heavy Rain)
08/22/07 21:30 CST	0.20M	Source: Law Enforcement

Flash flooding occurred south of the Village of Shullsburg due to repeated thunderstorms with heavy rains on top of a saturated ground. CTH O south of Shullsburg was covered with fast-flowing water depths of 6 inches to 1 foot. One mile south of the village a mudslide occurred onto CTH O. Hourly rainfall rates were 1.5 to 2 inches based on WSR-88D Doppler radar estimates. Soil erosion and crop damage also occurred on several other farms in that area. Additionally, a few basements had water damage to contents. Most creeks and streams in the area exceeded flood stage by one to two feet.

August, 2007, rainfall totals include: 16.98" at Arygle, and 17.22" at Blanchardville.

WAUKESHA COUNTY --- PEWAUKEE [43.08, -88.27]

08/22/07 21:30 CST	25K	Thunderstorm Wind (EG 56 kt)
08/22/07 21:30 CST	0	Source: Newspaper

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Powerful thunderstorm wind gusts up to 56 knots (65 mph) toppled several large trees and damaged a couple power-lines. One tree landed on a home and damaged the roof and a skylight.				
During the afternoon and evening hours of August 22nd, the second round of storms for the calendar day moved east across south-central and southeast Wisconsin. The clusters or short lines of storms moved east at a speed of about 30 knots (35 mph), and generated damaging downburst straight-line winds that toppled trees and power-lines, and heavy rains that triggered flash flooding. Synoptically, a stationary front stretched from northern Iowa to Wisconsin/Illinois border. Warm, moist, unstable air flowed north over the front in association with an upper-level short-wave trough, resulting in thunderstorm generation. Hourly rainfall rates peaked around 2 inches.				
By the end of August, 2007, many locations in south-central and southeast Wisconsin would establish new August rainfall records, and all-time/any month rainfall records. Many locations measured 10 to over 20 inches for the month of August, 2007, or about 200% to over 400% of normal. Normal August precipitation in southern Wisconsin is about 4 to 4.25 inches. Unofficially, about 25 inches fell at a location 2W of Barneveld, Iowa County. Specific August, 2007, monthly totals are listed in the various flash flood events of August 18-19th and August 22nd.				
DANE COUNTY --- 3.0 NE DOWNTOWN MADISON [43.10, -89.38]				
	08/22/07 15:25 CST		10K	Lightning
	08/22/07 15:25 CST		0	Source: Law Enforcement
Lightning struck a power-pole, causing the attached power-line to fall onto a water-covered ground around a bus stop. As a result, three people were electrocuted - two of them while standing in the water waiting for a bus, and another person who got off of the bus. All three fatalities were indirectly-related to lightning since the people weren't struck by the lightning bolt. Two other people were injured and treated for shock at a hospital.				
Thunderstorms with heavy rain and the usual lightning rolled through the Madison area, resulting in flash flooding and a lightning incident that received considerable media attention. See the Dane County Flash Flood event for related information.				
SAUK COUNTY --- 1.0 W SAUK CITY [43.27, -89.75]				
	08/24/07 03:00 CST		1.90M	Lightning
	08/24/07 03:00 CST		0	Source: Newspaper
Lightning struck a commercial pig farm near Sauk City, killing about 1900 pigs. The exact location of the farm isn't known.				
Scattered thunderstorms with plenty of lightning rolled through south-central Wisconsin.				
COLUMBIA COUNTY --- 2.0 E PORTAGE [43.55, -89.41]				
	08/27/07 08:00 CST		75K	Lightning
	08/27/07 08:00 CST		0	Source: Newspaper
Lightning started a fire that substantially damaged a 2-story home.				
DANE COUNTY --- 4.3 SW DOWNTOWN MADISON [43.03, -89.48]				
	08/27/07 08:45 CST	1	0	Lightning
	08/27/07 08:45 CST		0	Source: Law Enforcement
Lightning struck the golf bag and then a 75-year-old male golfer who was standing under a tree during a thunderstorm. He was instantly killed. He was playing at the Odana Golf Course on the southwest side of Madison.				
Direct Fatalities: M75GF				
COLUMBIA COUNTY --- 1.0 E PORTAGE [43.55, -89.43]				
	08/27/07 09:00 CST		50K	Lightning
	08/27/07 09:00 CST		0	Source: Newspaper
Lightning started a fire that substantially damaged a 2-story home.				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	08/27/07 10:30 CST		0.16M	Strong Wind (MAX 43 kt)
	08/27/07 13:00 CST		0	
A large convective thunderstorm complex moved southeast through southern Wisconsin during the mid-morning hours and gradually diminished in strength. On the back side of the thunderstorm complex a weak low pressure formed, which resulted in a tight surface pressure gradient. The tight pressure gradient generated strong gusty southeast winds up to around 40 knots (46 mph).				

Storm Data and Unusual Weather Phenomena - August 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE				
	08/01/07 00:00 CST		0	Drought
	08/15/07 23:59 CST		0	

The July drought continued through the first two weeks of August, 2007, over parts of south-central and southeast Wisconsin. The area was north of a line from Baraboo to Watertown to Mequon. The corn, alfalfa, and soybean crops were affected, especially in the higher areas or well-drained or poor soils. It is unknown how much of a monetary loss the drought generated. Thundestorm rains gradually reduced the effects of the drought by mid-month. D1 (moderate) drought conditions were observed, which improved to D0 (abnormally dry) by the middle of August , 2007.

Storm Data and Unusual Weather Phenomena - September 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE				
	09/04/07 22:00 CST		0	Dense Fog
	09/05/07 05:00 CST		0	
Dense fog developed over portions of east-central and southeast Wisconsin overnight thanks to a light moist flow of air off of the still relatively warm waters of Lake Michigan, and clear skies. Visibilities were reduced to 1/4 mile or below in and near the area bounded by the cities of Fond du Lac, Sheboygan, West Bend, and Port Washington. Several vehicle accidents were noted in newspapers, and some local airplane traffic was cancelled.				
SAUK COUNTY --- IRONTON [43.55, -90.13]				
	09/18/07 19:30 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:30 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- LA VALLE [43.58, -90.13]				
	09/18/07 19:35 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:35 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- 2.0 NW REEDSBURG [43.55, -90.03]				
	09/18/07 19:39 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:39 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- ROCK SPGS [43.48, -89.92]				
	09/18/07 19:39 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:39 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
COLUMBIA COUNTY --- WISCONSIN DELLS [43.63, -89.77]				
	09/18/07 19:53 CST		5K	Thunderstorm Wind (EG 65 kt)
	09/18/07 19:53 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 65 knots (75 mph) toppled several large trees. Tree branch debris knocked down some power lines. The winds lifted one side of a trained spotters's vehicle about 6 inches into the air.				
A line of strong to severe thunderstorms moved northeast through southern Wisconsin. Short segments of the line managed to bow out and generate isolated downbursts.				
(WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE				
	09/20/07 06:00 CST		0	Dense Fog
	09/20/07 09:00 CST		0	
Dense fog developed during the early morning hours between Port Washington and Racine thanks to clear skies, radiational cooling, and a light northeast-east wind off of the still relatively warm waters of Lake Michigan. Visibilities were reduced to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled.				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	09/20/07 18:00 CST		0	Dense Fog
	09/21/07 01:00 CST		0	

Storm Data and Unusual Weather Phenomena - September 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Dense fog affected parts of east-central and southeast Wisconsin during the overnight hours and lowered visibilities to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled. The dense fog was actually leftover dense fog that had persisted over the nearshore waters of Lake Michigan from the early morning hours of September 20th. A light southeast wind during the daytime hours transported the leftover dense fog inland. Clear skies and radiational cooling allowed the dense fog to expand as it moved inland.

WAUKESHA COUNTY --- WALES [43.00, -88.37]

09/27/07 13:52 CST	0	Hail (0.75 in)
09/27/07 13:52 CST	0	Source: Public

MILWAUKEE COUNTY --- 1.0 NE FRANKLIN [42.88, -88.07], 2.0 E FRANKLIN [42.87, -88.04]

09/27/07 14:41 CST	0	Hail (0.75 in)
09/27/07 14:45 CST	0	Source: NWS Employee

RACINE COUNTY --- 2.0 SSE RAYMOND [42.77, -88.00], 2.2 SSE RAYMOND [42.77, -88.00]

09/27/07 14:49 CST	1K	Tornado (EF0, L: 0.25 mi , W: 20 yd)
09/27/07 14:50 CST	1K	Source: Law Enforcement

A weak EF0 tornado spun up about 1/8 mile northwest of the intersection of 3 Mile Road and 68th Stree in central Racine County about 2 miles south-southeast (172 degrees) of Raymond, or 3.5 miles east-southeast (112 degrees) of North Cape. It initially tore up some mature corn crop, toppled a couple trees, crossed the intersection on a southeast path, tore some roof shingles off of a pole shed, and then dissipated in an open field. The average path length was about 15 yards. Damage indicator #1 (SBO) was used with a DOD value of 2 in the damage assessment for an expected wind value of about 75 mph. The initial spin up location was N42.77287 W88.00481 and the end point was N42.77119 W88.00054.

MILWAUKEE COUNTY --- OAK CREEK [42.87, -87.87]

09/27/07 15:08 CST	0	Hail (0.88 in)
09/27/07 15:08 CST	0	Source: Trained Spotter

RACINE COUNTY --- CALEDONIA [42.80, -87.93]

09/27/07 15:08 CST	0	Hail (0.75 in)
09/27/07 15:08 CST	0	Source: Trained Spotter

MILWAUKEE COUNTY --- WEST ALLIS [43.00, -87.97]

09/27/07 15:11 CST	0	Hail (0.75 in)
09/27/07 15:11 CST	0	Source: COOP Observer

OZAUKEE COUNTY --- 1.0 N SAUKVILLE [43.39, -87.93], 2.0 S MEQUON [43.19, -87.98]

09/27/07 15:18 CST	0	Hail (0.88 in)
09/27/07 15:24 CST	0	Source: Trained Spotter

MILWAUKEE COUNTY --- 4.0 N MILWAUKEE TIMMERMAN AIRPORT [43.18, -88.03]

09/27/07 15:23 CST	0	Hail (0.75 in)
09/27/07 15:23 CST	0	Source: Trained Spotter

An northwest flow of cold and unstable air aloft allowed scattered thunderstorms to develop and move southeast through southeastern Wisconsin. Some of the storms pulsed to severe limits and generated large hail. However, low-level south winds veered to west-southwest in the lowest 3 thousand feet of the atmosphere, allowing for the generation of low-level vorticity and an isolated tornado in central Racine County.

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	10/01/07 21:00 CST		0	Dense Fog
	10/02/07 08:00 CST		0	
Light onshore winds from Lake Michigan advected moisture inland which resulted in the formation of dense fog after the loss of a cloud cover. Visibilities were reduced to 1/8 to 1/4 mile. Several flights at Milwaukee Mitchell Field were delayed.				
DODGE COUNTY --- JUNEAU [43.40, -88.70], KEKOSKEE [43.53, -88.57]				
	10/18/07 14:10 CST		0	Hail (1.00 in)
	10/18/07 14:10 CST		0	Source: Trained Spotter
FOND DU LAC COUNTY --- 2.0 NW LAMARTINE [43.75, -88.60]				
	10/18/07 14:11 CST		0	Funnel Cloud
	10/18/07 14:11 CST		0	Source: Trained Spotter
FOND DU LAC COUNTY --- MT CALVARY [43.82, -88.25]				
	10/18/07 15:00 CST		0	Hail (0.75 in)
	10/18/07 15:00 CST		0	Source: Public
The hail covered the ground white.				
SHEBOYGAN COUNTY --- SHEBOYGAN FALLS [43.73, -87.82]				
	10/18/07 15:13 CST		0	Hail (0.88 in)
	10/18/07 15:20 CST		0	Source: Public
The hail covered the ground white.				
FOND DU LAC COUNTY --- 1.0 W FOND DU LAC AIRPORT [43.77, -88.50]				
	10/18/07 15:28 CST		0	Hail (0.75 in)
	10/18/07 15:28 CST		0	Source: Public
Short lines of strong thunderstorms that produced scattered severe weather in the form of large hail and a funnel cloud report moved across southern Wisconsin in the late afternoon hours. The storms developed in a region of strong vertical wind shear ahead of a short wave trough.				

Storm Data and Unusual Weather Phenomena - November 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	11/05/07 11:00 CST		96K	Strong Wind (MAX 47 kt)
	11/05/07 17:00 CST		0	

Strong, post-cold-frontal, northwest winds gusting to 39 to 47 knots (45 to 54 mph) raked south-central and southeast Wisconsin during the daylight hours. They were accompanied by scattered rain/ice pellet/snow showers that briefly lowered visibilities to 1/2 to 1 mile. The media noted that wind-broken limbs fell on power-lines. Scattered power outages were the result. Additionally, about a dozen vehicles were damaged by the broken limbs. The strongest gusts were 47 knots (54 mph) at St. Roberts School in Milwaukee County (WITI TV-6 school network site), and 45 knots (52 mph) at Milwaukee Mitchell Field. Many of the strongest gusts occurred between 1100CST and 1400CST. Synoptically, a strong low pressure moved east across Lake Superior to Lake Huron while the trailing cold front swept southeast through Wisconsin.

(WI-Z062) IOWA, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN	11/19/07 08:00 CST		0	Dense Fog
	11/19/07 18:00 CST		0	

Moist, low-level winds ahead of a developing Dakotas low pressure allowed dense fog to develop. Dewpoints were in the upper 30s to lower 40s. Visibilities dropped to 1/8 to 1/4 mile over Washington, Iowa, Lafayette, and Green Counties. The media noted a few vehicle accidents, and some local airplane flights were postponed or cancelled. Over the remainder of south-central and southeast Wisconsin visibilities dropped only to 1/2 to 1 mile.

(WI-Z056) SAUK, (WI-Z059) WASHINGTON, (WI-Z063) DANE	11/20/07 04:00 CST		0	Dense Fog
	11/20/07 08:30 CST		0	

A moist, low-level flow ahead of a Dakotas low pressure allowed dense fog to develop over Sauk, Washington and Dane Counties. Dewpoints started off in the 40s but dropped into the 30s as the low pressure moved east along the Wisconsin-Illinois border to southern Lake Michigan. Visibilities dropped to 1/8 to 1/4 mile. Some airplane flights were delayed or cancelled. The media noted a few vehicle accidents. Over the remainder of south-central and southeast Wisconsin visibilities dropped only to 1/2 to 1 mile.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	11/21/07 15:00 CST		0	Winter Weather
	11/21/07 23:45 CST		0	

The first widespread snow event of the 2007-08 winter season affected south-central and southeast Wisconsin on November 21st. Snow accumulations were in the 1 to 3 inch range. Media reports indicated that dozens vehicle accidents occurred. Temperatures were in the upper 20s to lower 30s and the snowflakes were large and moist. Maximum accumulations included 3 inches in southern Sheboygan County, northeastern Washington County, and from north of Elkhorn in Walworth County to central Waukesha County. Otherwise the remainder of south-central and southeast Wisconsin had 1 to 2.5 inches. Initially, the precipitation started off as rain, but changed over to snow between 1600CST and 1700CST west of Madison and between 1800CST and 1900CST in the Sheboygan to Kenosha area. Synoptically, a strong, upper-level short wave trough moving from Colorado to Illinois was responsible for the snow. Additionally, southern Wisconsin was under the right-rear quadrant of a 140 knot jet streak over the Great Lakes region. This is a favored region of lift/upward vertical motion.

(WI-Z051) FOND DU LAC, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE	11/27/07 06:00 CST		9K	Strong Wind (MAX 43 kt)
	11/27/07 09:00 CST		0	

Strong, west to northwest winds behind a cold front gusted to 39 to 43 knots (45 to 49 mph) over three counties of southeastern Wisconsin. The maximum measured gust was 43 knots (49 mph) in St. Peter of the Town of Taycheedah, east of Fond du Lac. The media noted some scattered reports of broken tree limbs and power outages. Over the remainder of south-central and southeast Wisconsin maximum wind gusts were in the 30 to 38 knot range (35 to 44 mph). Synoptically, a low pressure moved up the Ohio River Valley, and deepened in the process.

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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WISCONSIN, Southeast

(WI-Z062) IOWA, (WI-Z067) LAFAYETTE

12/01/07 09:00 CST	0	Winter Storm
12/02/07 03:00 CST	0	

The first major winter storm of the 2007-08 winter season affected all of south-central and southeast Wisconsin with a mix of snow, sleet, and freezing rain. The precipitation started off as snow (occasionally moderate to heavy) in the morning with accumulations eventually reaching around 2 inches near the Illinois border from Rock to Kenosha County, to 3 to 6 inches in the Madison to Milwaukee area, to 6 to 8 inches from Marquette County to Sheboygan County. Some thundersnow was reported. It then changed to sleet and then freezing rain from south to north across the area during the afternoon hours, and then freezing drizzle or light rain during the overnight hours. Ice accumulations ranged from 1/4 to 1/2 inch basically south of a line from Dodgeville to Madison to Milwaukee with the greatest amounts near the Illinois border.

A multi-vehicle accident on Interstate 90/94/39 near DeForest in northern Dane County resulted in one indirectly-related fatality. Another vehicle accident in the Town of Caledonia on STH 33 in Columbia County resulted in three indirectly-related fatalities. Otherwise, hundreds of spin-outs and accidents occurred across south-central and southeast Wisconsin. Ice-covered tree branches broke and fell on power-lines due to southeast winds gusting to 30 to 39 knots (35 to 45 mph). As a result, scattered power outages occurred, and 12000 customers in south-central and southeast Wisconsin were without power for at least several hours. Dozens of airline flights at the Madison and Milwaukee airports were canceled. Hundreds of civic functions were canceled.

Specific snow and sleet accumulations include 8" at Howards Grove, 7" at West Bend, 6 to 6.5 inches in northern Marquette County, 6.2 inches at Madison Truax Field, 6" at Berlin, Lodi, Reedsburg, and Ashford (Fond du Lac Co.), 5.3" at Blanchardville, 5.1" at the NWS office southeast of Sullivan, 5" at Monroe, La Grange, Avoca, and far northwestern Ozaukee County, 4.9 inches at Brookfield, 4.5 " at Brown Deer, 4" at Janesville, 3.5 inches at Milwaukee Mitchell Field and Waterford, and 2.2" at Paddock Lake.

Synoptically, a strong low-level jet of 60-70 knots pulled warm, moist air over colder air found at the surface resulting in a series of convective, moderate to heavy snow showers moving north through southern Wisconsin. A strong upstairs short-wave trough aided in vertical motion as the surface low pressure moved from the central plains northeast through southern Wisconsin.

(WI-Z046) MARQUETTE, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z063) DANE, (WI-Z068) GREEN, (WI-Z069) ROCK

12/01/07 10:00 CST	0	Winter Storm
12/02/07 03:00 CST	0	

The first major winter storm of the 2007-08 winter season affected all of south-central and southeast Wisconsin with a mix of snow, sleet, and freezing rain. The precipitation started off as snow (occasionally moderate to heavy) in the morning with accumulations eventually reaching around 2 inches near the Illinois border from Rock to Kenosha County, to 3 to 6 inches in the Madison to Milwaukee area, to 6 to 8 inches from Marquette County to Sheboygan County. Some thundersnow was reported. It then changed to sleet and then freezing rain from south to north across the area during the afternoon hours, and then freezing drizzle or light rain during the overnight hours. Ice accumulations ranged from 1/4 to 1/2 inch basically south of a line from Dodgeville to Madison to Milwaukee with the greatest amounts near the Illinois border.

A multi-vehicle accident on Interstate 90/94/39 near DeForest in northern Dane County resulted in one indirectly-related fatality. Another vehicle accident in the Town of Caledonia on STH 33 in Columbia County resulted in three indirectly-related fatalities. Otherwise, hundreds of spin-outs and accidents occurred across south-central and southeast Wisconsin. Ice-covered tree branches broke and fell on power-lines due to southeast winds gusting to 30 to 39 knots (35 to 45 mph). As a result, scattered power outages occurred, and 12000 customers in south-central and southeast Wisconsin were without power for at least several hours. Dozens of airline flights at the Madison and Milwaukee airports were canceled. Hundreds of civic functions were canceled.

Specific snow and sleet accumulations include 8" at Howards Grove, 7" at West Bend, 6 to 6.5 inches in northern Marquette County, 6.2 inches at Madison Truax Field, 6" at Berlin, Lodi, Reedsburg, and Ashford (Fond du Lac Co.), 5.3" at Blanchardville, 5.1" at the NWS office southeast of Sullivan, 5" at Monroe, La Grange, Avoca, and far northwestern Ozaukee County, 4.9 inches at Brookfield, 4.5 " at Brown Deer, 4" at Janesville, 3.5 inches at Milwaukee Mitchell Field and Waterford, and 2.2" at Paddock Lake.

Synoptically, a strong low-level jet of 60-70 knots pulled warm, moist air over colder air found at the surface resulting in a series of convective, moderate to heavy snow showers moving north through southern Wisconsin. A strong upstairs short-wave trough aided in vertical motion as the surface low pressure moved from the central plains northeast through southern Wisconsin.

(WI-Z047) GREEN LAKE, (WI-Z058) DODGE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z070) WALWORTH

12/01/07 11:00 CST	0	Winter Storm
12/02/07 03:00 CST	0	

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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The first major winter storm of the 2007-08 winter season affected all of south-central and southeast Wisconsin with a mix of snow, sleet, and freezing rain. The precipitation started off as snow (occasionally moderate to heavy) in the morning with accumulations eventually reaching around 2 inches near the Illinois border from Rock to Kenosha County, to 3 to 6 inches in the Madison to Milwaukee area, to 6 to 8 inches from Marquette County to Sheboygan County. Some thundersnow was reported. It then changed to sleet and then freezing rain from south to north across the area during the afternoon hours, and then freezing drizzle or light rain during the overnight hours. Ice accumulations ranged from 1/4 to 1/2 inch basically south of a line from Dodgeville to Madison to Milwaukee with the greatest amounts near the Illinois border.

A multi-vehicle accident on Interstate 90/94/39 near DeForest in northern Dane County resulted in one indirectly-related fatality. Another vehicle accident in the Town of Caledonia on STH 33 in Columbia County resulted in three indirectly-related fatalities. Otherwise, hundreds of spin-outs and accidents occurred across south-central and southeast Wisconsin. Ice-covered tree branches broke and fell on power-lines due to southeast winds gusting to 30 to 39 knots (35 to 45 mph). As a result, scattered power outages occurred, and 12000 customers in south-central and southeast Wisconsin were without power for at least several hours. Dozens of airline flights at the Madison and Milwaukee airports were canceled. Hundreds of civic functions were canceled.

Specific snow and sleet accumulations include 8" at Howards Grove, 7" at West Bend, 6 to 6.5 inches in northern Marquette County, 6.2 inches at Madison Truax Field, 6" at Berlin, Lodi, Reedsburg, and Ashford (Fond du Lac Co.), 5.3" at Blanchardville, 5.1" at the NWS office southeast of Sullivan, 5" at Monroe, La Grange, Avoca, and far northwestern Ozaukee County, 4.9 inches at Brookfield, 4.5 " at Brown Deer, 4" at Janesville, 3.5 inches at Milwaukee Mitchell Field and Waterford, and 2.2" at Paddock Lake.

Synoptically, a strong low-level jet of 60-70 knots pulled warm, moist air over colder air found at the surface resulting in a series of convective, moderate to heavy snow showers moving north through southern Wisconsin. A strong upstairs short-wave trough aided in vertical motion as the surface low pressure moved from the central plains northeast through southern Wisconsin.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

12/01/07 12:00 CST	0	Winter Storm
12/02/07 03:00 CST	0	

The first major winter storm of the 2007-08 winter season affected all of south-central and southeast Wisconsin with a mix of snow, sleet, and freezing rain. The precipitation started off as snow (occasionally moderate to heavy) in the morning with accumulations eventually reaching around 2 inches near the Illinois border from Rock to Kenosha County, to 3 to 6 inches in the Madison to Milwaukee area, to 6 to 8 inches from Marquette County to Sheboygan County. Some thundersnow was reported. It then changed to sleet and then freezing rain from south to north across the area during the afternoon hours, and then freezing drizzle or light rain during the overnight hours. Ice accumulations ranged from 1/4 to 1/2 inch basically south of a line from Dodgeville to Madison to Milwaukee with the greatest amounts near the Illinois border.

A multi-vehicle accident on Interstate 90/94/39 near DeForest in northern Dane County resulted in one indirectly-related fatality. Another vehicle accident in the Town of Caledonia on STH 33 in Columbia County resulted in three indirectly-related fatalities. Otherwise, hundreds of spin-outs and accidents occurred across south-central and southeast Wisconsin. Ice-covered tree branches broke and fell on power-lines due to southeast winds gusting to 30 to 39 knots (35 to 45 mph). As a result, scattered power outages occurred, and 12000 customers in south-central and southeast Wisconsin were without power for at least several hours. Dozens of airline flights at the Madison and Milwaukee airports were canceled. Hundreds of civic functions were canceled.

Specific snow and sleet accumulations include 8" at Howards Grove, 7" at West Bend, 6 to 6.5 inches in northern Marquette County, 6.2 inches at Madison Truax Field, 6" at Berlin, Lodi, Reedsburg, and Ashford (Fond du Lac Co.), 5.3" at Blanchardville, 5.1" at the NWS office southeast of Sullivan, 5" at Monroe, La Grange, Avoca, and far northwestern Ozaukee County, 4.9 inches at Brookfield, 4.5 " at Brown Deer, 4" at Janesville, 3.5 inches at Milwaukee Mitchell Field and Waterford, and 2.2" at Paddock Lake.

Synoptically, a strong low-level jet of 60-70 knots pulled warm, moist air over colder air found at the surface resulting in a series of convective, moderate to heavy snow showers moving north through southern Wisconsin. A strong upstairs short-wave trough aided in vertical motion as the surface low pressure moved from the central plains northeast through southern Wisconsin.

Ultimately, many locations in the south-central and southeast counties of Wisconsin would have total snowfalls of 25" to 36" for the month of December, 2007. Normal snowfall for a December is 8" to 14". The image shown in this winter storm event depicts the snow amounts for December, 2007.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH

12/04/07 16:00 CST	15K	Winter Weather
12/05/07 03:00 CST	0	

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An Alberta-Clipper low pressure tracked from South Dakota, to Iowa, to southern Illinois, to southern Indiana from the morning of Tuesday, December 4 to the early morning on Wednesday, December 5. Widespread light to moderate snow to the north of this track produced a general 3 to 6 inches across south-central and southeast Wisconsin. There were a couple isolated spots with 7 to 9 inches. The wind was a non-factor, snow plow crews were able to keep up with the accumulations, and there was minimal impact on society. Consequently, this system was not classified as a heavy snow event. Lake-effect enhancement resulted in higher totals in Racine and Kenosha Counties (see Heavy Snow event for these counties). Excessive speed was a factor in a 2-vehicle accident south of Janesville on Interstate-39/90 which resulted in one indirect death and one indirect injury. A portion of a roof of a business near Hustiford collapsed due to the weight of accumulated snow and ice. No one was injured.

Specific snow totals include 9" at Mt. Horeb, 7.8" at Milwaukee Mitchell Field, 7.7" on the southwest side of Madison, 6.6" at Beaver Dam, 6.2" at Cedarburg and Baraboo, 6.1" at Eagle, 6" at Lodi and Ft. Atkinson, 5.8" at Genoa City, 5.5" at Monroe and Argyle, 5.4" at Oxford, 5" at Germantown, Barneveld, and Janesville, 4.5" at Markesan, 4" in far southwestern Fond du Lac County, and 2.5" in the Random Lake area. for the calendar day of December 4th, the 4.2" measured at Milwaukee broke the old record of 3.3" set in 1964. Likewise, Madison's 5.6" on December 4th broke the old record of 5.5" set back in 1897.

(WI-Z071) RACINE, (WI-Z072) KENOSHA

12/04/07 17:00 CST	0	Lake-Effect Snow
12/05/07 10:00 CST	0	

An Alberta-Clipper low pressure tracked from South Dakota, to Iowa, to southern Illinois, to southern Indiana from the morning of Tuesday, December 4 to the early morning on Wednesday, December 5. Widespread moderate snow to the north of this storm track produced a general 3 to 6 inches across south-central and southeastern Wisconsin. In the wake of the low, moderate to heavy lake-effect snow bands formed over Lake Michigan and moved inland over Racine and Kenosha Counties.

Total snow accumulations exceeded 8 inches over the eastern half of Racine County and Kenosha County, and ranged up to 11.5" in the city of Racine, and 10.5" in the city of Kenosha.

(WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

12/11/07 05:00 CST	10K	Ice Storm
12/11/07 15:00 CST	0	

The second significant winter storm/ice storm to affect south-central and southeast Wisconsin in December, 2007, struck on December 11-12th (December 1st was the other one). It generated a mix of snow, sleet, and freezing rain, however, freezing rain was the primary precipitation type in the counties of Waukesha, Milwaukee, Green, Rock, Walworth, Racine, and Kenosha. Ice accumulations of around 1/2 inch occurred near and south of a line from Beloit to Lake Geneva to Kenosha. The northern extent of 1/4 inch ice accumulations extended along a line from Browntown in far southwest Green County to Milton to Palmyra to Mukwonago to Milwaukee. The far northern extent of any freezing rain was along a line from Darlington to Middleton to Juneau to Port Washington. Sleet accumulations of 1 to 2 inches occurred mostly in a 15-mile wide band extending from around Shullsburg to Monticello to Whitewater to New Berlin to Milwaukee. Snow accumulations of 1 to almost 8 inches were reported just north of the sleet band. There was some overlapping of precipitation types.

Numerous airline flights and civic functions were canceled before the start of the winter storm/ice storm. Numerous minor vehicle accidents were reported in newspapers. The roofs of two small metal sheds in Green County collapsed due to the weight of the snow and ice accumulations during December, 2007. One was located about 5 miles west of New Glarus, and the other about 7 miles northwest of Monroe. North of Watertown in rural Dodge County, a 40x80 foot machine shed collapsed due to the weight of accumulated snow and ice. Inside the shed, a car, a couple antique trucks, and lawn mowers were "totaled."

Specific snow and sleet accumulations include 7.9" in Brown Deer, 6.9" in Cottage Grove, 6" in Jackson, Merton, and Mequon, 5.5" in Jefferson, 5.1" at Madison Truax Field, 5" in Juneau and Blanchardville, 4.5" in New Glarus, 4.2" in Plain, 4" in Poynette, Dodgeville, and Evansville, about 3.5" in Random Lake, 3" in Waterford, 2.7" at Milwaukee Mitchell Field, 2" in the city Fond du Lac and far northern Walworth County, 1" or less in the counties of Marquette and Green Lake, and less than 1/2" in Kenosha County.

(WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z067) LAFAYETTE

12/11/07 05:00 CST	0.20M	Winter Storm
12/11/07 15:00 CST	0	

The second significant winter storm/ice storm to affect south-central and southeast Wisconsin in December, 2007, struck on December 11-12th (December 1st was the other one). It generated a mix of snow, sleet, and freezing rain. Ice accumulations of around 1/2 inch occurred near and south of a line from Beloit to Lake Geneva to Kenosha. The northern extent of 1/4 inch ice accumulations extended along a line from Browntown in far southwest Green County to Milton to Palmyra to Mukwonago to Milwaukee. The far northern extent of any freezing rain was along a line from Darlington to Middleton to Juneau to Port Washington. Sleet accumulations of 1 to 2 inches occurred mostly in a 15-mile wide band extending from around Shullsburg to Monticello to Whitewater to New Berlin to Milwaukee. Snow accumulations of 1 to almost 8 inches were reported just north of the sleet band. There was some overlapping of precipitation

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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types.

Numerous airline flights and civic functions were canceled before the start of the winter storm/ice storm. Numerous minor vehicle accidents were reported in newspapers. On December 11th, the roofs of two small metal sheds in Green County collapsed due to the weight of the snow and ice accumulations during December, 2007. One was located about 5 miles west of New Glarus, and the other about 7 miles northwest of Monroe. On December 12th, a 40x40 foot section and wall of a building in Madison collapsed due to the weight of accumulated snow and ice. No one was injured. North of Watertown in rural Dodge County, a 40x80 foot machine shed collapsed due to the weight of accumulated snow and ice. Inside the shed, a car, a couple antique trucks, and lawn mowers were "totaled."

Specific snow and sleet accumulations include 7.9" in Brown Deer, 6.9" in Cottage Grove, 6" in Jackson, Merton, and Mequon, 5.5" in Jefferson, 5.1" at Madison Truax Field, 5" in Juneau and Blanchardville, 4.5" in New Glarus, 4.2" in Plain, 4" in Poynette, Dodgeville, and Evansville, about 3.5" in Random Lake, 3" in Waterford, 2.7" at Milwaukee Mitchell Field, 2" in the city Fond du Lac and far northern Walworth County, 1" or less in the counties of Marquette and Green Lake, and less than 1/2" in Kenosha County.

(WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	12/15/07 06:00 CST	50K	Winter Weather
	12/16/07 05:00 CST	0	

Low pressure moving northeast through southern Illinois and southern Indiana generated a long-duration winter weather snow event over southeastern Wisconsin. North to northwest winds gusting to around 17 to 22 knots (20 to 25 mph) generated some blowing and drifting snow, especially in open areas. This event wasn't logged as a Heavy Snow event due to the needed 8" threshold for 24 hour systems. Several airline flights at Milwaukee Mitchell Field were delayed or canceled, and several civic functions were canceled. At the tail end of the snow event, lake-effect enhancement was responsible for 1 to 2 inch accumulations near Lake Michigan. Total snow accumulations include 7.5" at 3NW Milwaukee, 7.2" at Paddock Lake, 7" at Port Washington and 4SW Somers, 6.5" at Union Grove and Whitewater, 6.4" at Milwaukee Mitchell Field, 6" in Muskego, 5.2" at Random Lake, 5.1" in Richfield, 4.9" at the NWS office southeast of Sullivan, 4.5" at Beloit, 3.5" at Brodhead and Johnson Creek, 3 to 3.5" in southeastern Dane County, and about 4" in southeast Dodge County. The snow of December 15-16th ultimately led to building damage in Jefferson County. In the early morning hours of December 18th, a section of the roof and two supporting beams collapsed at the Johnson Creek Junior and Senior High School due to the weight of accumulated snow and ice. No one was injured.

(WI-Z058) DODGE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH	12/19/07 08:00 CST	0	Dense Fog
	12/19/07 23:00 CST	0	

Dense freezing fog developed over parts of south-central and southeast Wisconsin and reduced visibilities to 1/8 to 1/4 mile. Untreated road and sidewalk surfaces were coated with thick rime/frost, as well as trees and other cold-surface objects. Newspaper reported indicated that at least a dozen vehicle accidents occurred in each county listed in this event. Moist air moving over a cold, snow-covered terrain initiated the dense freezing fog. Several airline flights were delayed or canceled at Madison Truax Field.

(WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK	12/21/07 02:00 CST	0	Dense Fog
	12/22/07 19:00 CST	0	

Dense fog covered all of south-central and southeast Wisconsin for nearly two days, resulting in numerous cancellations of airline flights and some civic functions. Warm, moist air on southeast winds flowing over melting snow was the factor in the dense fog formation. Visibilities were reduced to 1/10 to 1/4 mile.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z070) WALWORTH	12/21/07 08:00 CST	0	Dense Fog
	12/22/07 22:00 CST	0	

Dense fog covered all of south-central and southeast Wisconsin for nearly two days, resulting in numerous cancellations of airline flights and some civic functions. Warm, moist air on southeast winds flowing over melting snow was the factor in the dense fog formation. Visibilities were reduced to 1/10 to 1/4 mile.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA	12/21/07 20:00 CST	0	Dense Fog
	12/22/07 20:00 CST	0	

Dense fog covered all of south-central and southeast Wisconsin for nearly two days, resulting in numerous cancellations of airline

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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flights and some civic functions. Warm, moist air on southeast winds flowing over melting snow was the factor in the dense fog formation. Visibilities were reduced to 1/10 to 1/4 mile.

(WI-Z046) MARQUETTE, (WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z067) LAFAYETTE

12/22/07 21:00 CST	0	Winter Storm
12/23/07 18:00 CST	0	

A long-duration winter storm on December 22-23rd generated snow and blowing snow, but was preceded by two to three hours of freezing rain. Ice accumulations of 1/8 to 1/4 inch were followed by snow accumulations of 4 to 10 inches. Specific accumulations include an estimated 10 inches in far northwestern Marquette County and far northwestern Sauk County, and an estimated 8 inches in far northwestern Iowa County. Elsewhere over these counties snowfall amounts ranged from 3 inches to 8 or 9 inches. Gusty northwest winds to 30 to 39 knots (35 to 45 mph) during the latter part of the winter storm picked up the new snow and generated near-blizzard conditions in open rural areas of Lafayette, Iowa, and Sauk Counties. Drifts grew to 2 to 3 feet in height. Synoptically, low pressure deepened rapidly as it moved northeast through southeast Wisconsin on its way to the Upper Peninsula of Michigan.

(WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z068) GREEN, (WI-Z069) ROCK

12/22/07 23:00 CST	0	Winter Weather
12/23/07 23:45 CST	0	

A long-duration winter weather event affected parts of south-central, east-central, and southeast Wisconsin on December 22-23rd. Some light freezing rain preceded snow and blowing snow. The light freezing rain fell west of a line from Elkhart Lake to Cambellsport to Watertown to Milton to Brodhead, with up to 1/8 ice accumulations west of Interstate 39/90. This event was related to a winter storm that occurred at the same time in the area west of Madison. Specific snow accumulations include 7" in Wisconsin Dells, 6.5" in Mt. Horeb, an estimated 6 inches in far northwestern Green Lake County, 5 inches in northwestern Green County, and 1" to 3" over the remainder of the area in this winter weather event. The minor to moderate blowing and drifting snow occurred due to gusty west-southwest winds to 30 to 45 knots (35 to 52 mph). The Janesville Airport had a measured gust of 45 knots (52 mph), and the Sheboygan Airport came in with a gust of 41 knots (47 mph). Synoptically, low pressure deepened rapidly as it moved northeast through southeast Wisconsin on its way to the Upper Peninsula of Michigan.

(WI-Z046) MARQUETTE, (WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z067) LAFAYETTE

12/23/07 18:00 CST	0	Winter Weather
12/23/07 23:45 CST	0	

The long-duration winter storm of December 22-23rd that affected the counties of Marquette, Sauk, Iowa, and Lafayette, subsided to a winter weather event during the evening hours of December 23rd. Some minor to moderate blowing and drifting snow continued as west-southwest winds of 25 to 32 knots (30 to 37 mph) gusted to 30 to 49 knots (35 to 45 mph). Visibilities in open rural areas was occasionally reduced to 1/2 to 3/4 mile. Refer to a Strong Wind event for December 23rd for related wind information. Synoptically, low pressure deepened rapidly as it moved northeast through southeast Wisconsin on its way to the Upper Peninsula of Michigan.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z070) WALWORTH, (WI-Z071) RACINE

12/23/07 05:00 CST	45K	Strong Wind (MAX 44 kt)
12/23/07 23:45 CST	0	

In the wake of a departing deep low pressure, west-southwest winds raked south-central and southeast Wisconsin on December 23rd with peak sustained speeds of 26 to 33 knots (30 to 38 mph), and/or peak gusts to 39 to 44 knots (45 to 51 mph). The media reported that wind-broken tree branches fell on power-lines, resulting in scattered power outages. At least 3000 customers were without power for a few hours across south-central and southeast Wisconsin. Specific peak sustained winds include 33 knots (38 mph) at Racine, 30 knots (35 mph) at Burlington, 29 knots (33 mph) at Fond du Lac, and 26 knots (30 mph) at all other locations. Specific peak wind gusts include 44 knots (51 mph) at Waukesha, 43 knots (49 mph) at Racine, 42 knots (48 mph) at Germantown, 40 knots (46 mph) at Burlington, and 39 knots (45 mph) at all other locations. Synoptically, low pressure deepened rapidly as it moved northeast through southeast Wisconsin on its way to the Upper Peninsula of Michigan.

(WI-Z052) SHEBOYGAN, (WI-Z066) MILWAUKEE, (WI-Z069) ROCK, (WI-Z071) RACINE, (WI-Z072) KENOSHA

12/23/07 04:00 CST	45K	High Wind (MAX 57 kt)
12/23/07 07:00 CST	0	

Powerful west to southwest winds reached sustained or peak gust threshold values for a high wind event in the counties of Milwaukee, Racine, Kenosha, and Rock Counties in the pre-dawn hours of December 23rd. Peak measured gusts include 57 knots (66 mph) at a Wisconsin DOT instrument site on Interstate-94 about 3 miles west of Sturtevant (Racine Co.), 52 knots (60 mph) on the UW-Milwaukee campus and at a Sheboygan high school (Milwaukee TV-6 mesonet). Peak measured sustained winds include 38 knots (44 mph) at the Janesville Airport and at the CMAN coastal site near the harbor of Sheboygan, 37 knots (43 mph) at the Kenosha Airport, and 36 knots (41 mph) at Milwaukee Mitchell Field. Other gusts close to high wind value include 47 knots (55 mph) at the Kenosha Airport

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
and 45 knots (52 mph) at Milwaukee Mitchell Field. The media reported that wind-broken tree branches fell on power-lines, resulting in scattered power outages. The high winds were the result of strong cold air advection and rising barometric rises behind a cold front. At least 2000 customers were without power for a few hours. Synoptically, low pressure deepened rapidly as it moved northeast through southeast Wisconsin on its way to the Upper Peninsula of Michigan.				
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(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA	12/28/07 06:00 CST		0	Winter Weather
	12/28/07 17:00 CST		0	

A prolonged fall of light to moderate snow fell across all of south-central and southeast Wisconsin, resulting in accumulations of 3 to 8 inches. The wind was a non-factor, and roads were reported to be in good condition during this event, consequently the impact of society was minimal, and this was not classified as a Heavy Snow event. Specific snowfall totals include 8.1" at Cedarburg; 8.0" at Dousman, North Prairie, East Troy, Hales Corner, Watertown, and Allenton; 7.8" at Waterford; 7.5" at Howards Grove and Palmyra; 6.8" at Stoughton and Beloit College; 6" at Ashford and Monroe; 5.7" at South Wayne; 5.5" at Milwaukee Mitchell Field and Columbus; 5.1" at Madison Truax Field, 5" at Twin Lakes; 4.2" at Redstorn Lake north of La Valle, 4" in the southeast corner of Iowa County; and 3.7" at Markesan. Newspapers indicated that there the usual vehicle accidents in all affected counties. The 5.5" measured at Milwaukee was a new record for December 28th, breaking the old record of 5.3" set in 1968. In Germantown (Washington Co.), the weight of the snow broke a 10" diameter tree branch which fell onto a vehicle. Luckily there was only minor scratches on the vehicle. Synoptically, low pressure tracked from Missouri to the lower part of Lake Michigan and then lower Michigan.